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ABSTRACT

To provide information that will facilitate the exchange of information between states and reduce duplication of effort, this report summarizes information received from State Research Coordinating Units (RCUs) regarding research activities conducted under section 131(b) of part C of the Vocational Education Amendments of 1968. This is the twelfth in a series of reports on the activities of the state RCUs. (All the reports are available separately in the ERIC system by the following ED numbers: 053-293; 052-381; 067-463; 068-718; 076-781; CEC-720; 099-681; 099-519; 107-938; 110-683; 117-436.) The projects, which are reported alphabetically by state, are listed as either projects completed or new projects funded. Also, the research related activities and projects/activities plans are reported for each state. (BM)

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ANNUAL REPORT

STATE RESEARCH COORDINATING UNIT ACTIVITIES

FOR THE PERIOD

JUNE 30, 1975 - SEPTEMBER 30, 1976

Fiscal Year 1976

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Office of Education

Bureau of Occupational and Adult Education

Office of Adult, Vocational, Technical,
and Manpower Education

Division of Research and Demonstration

August 1977

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
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FOREWORD

This report summarizes information received from State Research Coordinating Units (RCU's) regarding research activities conducted under Section 131(b) of Part C of the Vocational Education Amendments of 1968. This report covers the fifteen months of Fiscal Year 1976. The purpose of the report is to provide information that will assist States to be aware of research and development conducted by other States, thus facilitating exchange of information and reducing duplication of effort.

This Semiannual Report has been prepared by Larry Braaten, Chief, Demonstration Branch and Annette Miller, Education Technician, Demonstration Branch. This is the twelfth in a series of reports on the activities of the State RCU's. The previous reports are listed below:

- a. Annual Report on State Research Coordinating Unit Activities for Fiscal Year 1970 (ED-053-293)
- b. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1970 to December 31, 1970 (ED-052-381)
- c. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1971 to June 30, 1971 (ED-067-463)
- d. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1971 to December 31, 1971 (ED-068-718)
- e. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1972 to June 30, 1972 (ED-076-781)
- f. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1972 to December 31, 1972 (ED-080-720)
- g. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1973 to June 30, 1973 (ED-099-681)
- h. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1973 to December 31, 1973 (ED-099-519)
- i. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1974 to June 30, 1974 (ED-107-838)
- j. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1974 to December 31, 1974 (ED-110-683)
- k. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1975 to June 30, 1975 (ED-117-436)

Copies of the above reports with assigned ED numbers can be obtained from the ERIC Document Reproduction Service.

Howard F. Hjelm
Director, DRD

INTRODUCTION

The RCU's have continued to provide the leadership for the State's R&D programs in vocational education. In providing this leadership, the RCU's have given assistance to State vocational agencies and personnel, graduate students, teachers and a variety of other interested parties. They have also played a major role in long-range planning and the development of vocational research priorities. One of the most important activities of the RCU's is the disseminating of the results of research. In addition to the operation of their own dissemination efforts, the RCU's are a vital part of the national network of contributors to the ERIC collection.

The Annual Report which follows is a compilation of State Research Activity Reports covering fiscal year 1976 and the transition quarter which have been received from the States. Additional information on projects listed under the category of "new projects funded" may be located in the "Research Projects in Progress" section of Abstracts of Instructional and Research Materials in Vocational and Technical Education (AIM/ARM) published bi-monthly. Final reports of the "projects completed" are abstracted in the monthly issues of Research in Education and/or in the bi-monthly issues of AIM/ARM. The AIM/ARM publication title will be changed in 1977 to Resources in Vocational Education. All reported research projects administered by the State educational agency were included in this report, whether or not they were funded under Section 131(b) of Part C.

ALABAMA

T. L. Faulkner, State Director of Vocational Education
Douglas Patterson, RCU Director

PROJECTS COMPLETED:

1. Coffee County's Approach to a Comprehensive Placement Program - Grades One Through College, Coffee County Board of Education
2. Placement Implementation Project, Mobile County Public Schools
3. A Comprehensive Placement Program for Covington County, Andalusia City, and Opp City School Systems, Covington County Board of Education
4. Threshold of Education Reform Restructuring Agriculture for Inner-City Related Motivation and Accomplishment (TERRA FIRMA) Anniston City Board of Education
5. Vocational Education Follow-Up (1976) Auburn University
6. Cooperative Occupational Opportunities and Placement Program Greene County Board of Education
7. Developing A Comprehensive Placement Program Shelby County Board of Education
8. The Development of Job Placement Services for Exiting Students Tuscaloosa County Board of Education
9. Development of Telephone Installer-Repairman Courses at Secondary School Level St. Clair County Board of Education
10. Interstate Distributive Education Curriculum Consortium of States (IDECCS) Distributive Education Services
11. Membership in V-TECS Consortium of States Division of Vocational Education

NEW PROJECTS FUNDED:

1. Cooperative Occupational Opportunities and Placement Program, Greene County Board of Education
2. Developing a Comprehensive Placement Program Shelby County Board of Education

ALABAMA

3. The Development of Job Placement Services for Exiting Students
Tuscaloosa County Board of Education
4. Development of Telephone Installer-Repairman Course at Secondary
School Level St. Clair County Board Education
5. Membership in V-TECS Consortium of States Division of Vocational
Education

RESEARCH RELATED ACTIVITIES:

1. Conducted study and published report of the role of the district
supervisor of trade and industrial education entitled, "An Analysis
of Tasks Performed by State Level District Supervisors of Trade and
Industrial Education."
2. Developed and published "Annual RCU Activities Report"
3. Prepared Federal Statistical, Descriptive, and Financial Report
and State Statistical Report
4. Prepared a "Local Vocational Education Planning Manual" for the
67 counties in Alabama
5. Provided technical assistance to eight education agencies in
planning endeavors for area vocational centers.
6. Provided technical assistance to various agencies in conducting
training needs survey
7. Provided assistance in evaluating activities of Vocational Educ-
tion student organizations
8. Provided technical assistance in proposal development to local
education agencies and other agencies upon request
9. Participated in in-service activities for local directors and
other vocational education personnel
10. RCU staff participated in various staff development activities
related to their areas of primary concern
11. Revised Division MBO
12. Published report of study entitled, "Role Perceptions of the
position of Local Vocational Administrator in Alabama"

ALABAMA

13. Developed a review of vocational education developments in Alabama over 5-year period
14. Prepared and disseminated "Alabama Vocational Education Facts, FY 75"
15. Coordinated planning, printing, and dissemination of the "Alabama State plan for Vocational Education"

PROJECT AND ACTIVITIES PLANNED:

1. Develop State Plan for Vocational Education
2. Revise Division MBO
3. Develop local-state comprehensive planning system.
4. Update county vocational education planning packets
5. Conduct study of morale and change orientation of vocational education teachers
6. Complete report on Vocational Education Facts in Alabama
7. Develop a teacher's guide to placement and follow-up
8. Conduct Performance-based Adult Vocational Education project

ALASKA

Marilow Madden, State Director of Vocational Education
Marilow Madden, State RCU Director

PROJECTS COMPLETED:

NONE REPORTED

NEW PROJECTS FUNDED:

1. System for the acquisition and dissemination of promising instructional practices, State Department of Education, Juneau
2. A system to design, implement, analyze, and act upon an evaluation of the SDE by the local education staffs, State Department of Education, Juneau
3. A system involving development of the first component to a management information system geared to the daily information needs of both project and program managers.

RESEARCH RELATED ACTIVITIES:

NONE REPORTED

PROJECTS AND ACTIVITIES PLANNED:

NONE REPORTED

ARIZONA

William Anderson, State Director of Vocational Education
William Anderson, RCU Director

PROJECTS COMPLETED:

1. Task Analysis and Animal Science in Yuma County, Arizona
Western College, Yuma
2. Comprehensive Needs Assessment for the Gila River Career
Center, Gila River Career Center, Scaton
3. Research and Analysis of Competencies Needed by Bilingual
Teacher Aides, Mesa Community College, Mesa
4. Health Occupations Needs Assessments for the Glendale Union
High School District, Glendale Union High School, Glendale
5. A Survey of Common Elements in Appliance Repair, Refrigeration,
and Air Conditioning, Northern Arizona University, Flagstaff
6. A Survey and Job Description of Employment Opportunities for
the Trainable Mentally Handicapped in Mesa, Arizona, Mesa
Public Schools, Mesa
7. Clothing Construction Performance Assessment, Arizona State
University, Tempe
8. Comprehensive Needs Assessment for the Arizona State Prison
Vocational Training Program, Arizona State Prison, Florence
9. Phase I: A Study of Essential Living Skills for Members of
Families in Multiple Roles, Arizona State University, Tempe
10. Self Instructional Materials for Improving Competencies in
Writing Proposals for Research Mini Grants, Northern Arizona
State University, Flagstaff

NEW PROJECTS FUNDED:

1. Identification and Prioritization of Vocational Research Needs
in Arizona, Arizona State University, Tempe

ARIZONA

RESEARCH RELATED ACTIVITIES:

1. A follow up study was completed on the effectiveness of a slide tape presentation designed to promote the services and activities of the RCU. It was determined that in those counties where the slide tape was shown to between 40 and 250 persons, the active use of the RCU increased 50% over the previous year.

PROJECTS AND ACTIVITIES PLANNED:

None Reported

ARKANSAS

Luther Hardin, State Director of Vocational Education
Jack D. Nichols, RCU Director

PROJECTS COMPLETED:

1. An Analysis of Characteristics of Selected Unemployment Insurance Claimants With Implications for Vocational Education, Arkansas Employment Security Division
2. Summer Project for Exploring Careers, Russellville Public Schools
3. A Unified School-Community Approach to Remodel Guidance Services and Expand Next Step Placement and Follow-Up, Arkansas Division of Vocational Education
4. Local Action Oriented Mini Grants (3), Arkansas Division of Vocational Education in cooperation with Local School Districts

NEW PROJECTS FUNDED:

1. A Model for Developing Alternative Strategies for Maximizing Comprehensive Vocational Program Planning and Evaluation, Arkansas Division of Vocational Education
2. Development and Use of Specific Strategies for Dissemination of Curriculum Materials in Vocational Education, University of Arkansas at Fayetteville
3. An Education-Industry Exchange Program for Vocational Teacher Education Preparation, University of Central Arkansas at Conway
4. A Model for Vocational Education Program Development in Entrepreneurship, Arkansas Division of Vocational Education in cooperation with University of Arkansas at Fayetteville
5. Utilizing Professional Counseling Services to Reduce the Dropout Rate in Postsecondary Vocational-Technical Education, Crowley's Ridge Vocational-Technical School at Forrest City
6. A Model to Develop a School-Community Based Adult Education Program, Cagot Public Schools

RESEARCH RELATED ACTIVITIES:

1. The Follow-up system has been expanded with increased capabilities to serve the postsecondary vocational technical schools

ARKANSAS

This modified program is designed to collect additional information, manipulate the data and compile student migration information. This information reflects the employment location and the rate of migration out of state and within state

2. A personnel development program is currently being conducted to assist school administrators in planning local vocational programs. As a result of this activity, a planning guide will be available in June 1977.
3. Selected teachers have been involved in the development and teaching strategies of multi-service modular instruction. Limited copies of modular instruction common to all vocational services have been developed and disseminated for statewide utilization
4. Co-Training of teachers and aides has resulted in the effective utilization of para-professionals to assist vocational students with special needs. As a result of the training activities, a 56-page handbook has been developed on par-professionals in vocational education
5. A draft core curriculum for diversified cooperative education programs has been developed in cooperation with the Mid West Curriculum Center and the Mid-America Vocational Curriculum Consortium. These draft materials are being field tested during 1976-77

PROJECTS AND ACTIVITIES PLANNED:

1. Local Program Planning and Evaluation Activities
2. Curriculum Development Activities
3. Improving the Competencies of Vocational Personnel
4. Equal Educational Opportunity for Individuals of Both Sexed in Vocational Education
5. Vocational Needs of the Adult Population
6. Improving Vocational Training Programs and Services for Individuals with Special Needs
7. Review and Revise the Management Information System to meet the requirements of new legislation

CALIFORNIA

Samuel L. Barrett, State Director of Vocational Education
Richard Nelson, RCU Director

NO REPORT RECEIVED

NOTE:

The California Department of Education has published a Preliminary report of a project summaries entitled, "Vocational Education Research and Exemplary Projects in California."

Inquires regarding this report should be made to the RCU Director

COLORADO

William D. Woolf, State Director of Vocational Education
William Barnes, RCU Director

NO REPORT RECEIVED

CONNECTICUT

Edward A. Sillari, State Director of Vocational Education
Richard C. Wilson, State RTU Director

PROJECTS COMPLETED:

1. Evaluation of Remedial Reading Program, Vocational-Technical Schools, Central Conn. State College, New Britain
2. Master Plan for Vocational and Career Education for the State of Connecticut, Capitol Region-Education Council, Windsor
3. A Survey of the Manpower Training Needs of Conn. Business and Industry With Special Emphasis on the Development of a Computer-Based Model for Vocational-Career Information Delivery Systems, Connecticut Business and Industry Association
4. Study of Increased Use of Vocational-Technical School Facilities, Peat, Marwick, Mitchell & Co., Boston
5. Career Education Program: New Haven Middle Schools, Board of Education, New Haven
6. Career Education in the Norwalk Public Schools, Board of Education, Norwalk
7. An Alternative Program in Distributive Education Utilizing the Diversified Resources of a Large Shopping Complex, Board of Education, Windsor Locks
8. Childhood and Parenthood Competency Education, Board of Education, Norwalk
9. Implementation of the East Shore Career Education Center, Area Cooperative Educational Services, New Haven
10. Preparation of Prospective Teachers for Career/Vocational Eastern Conn. State College, Willimantic
11. Vocational Career Guide for Connecticut (1975 Revision), University Research Institute of Conn., Inc., Wallingford

NEW PROJECTS FUNDED:

1. Evaluation of Remedial Reading Program, Vocational-Technical Schools, Central Conn. State College, New Britain

CONNECTICUT

2. Master Plan for Vocational and Career Education for the State of Connecticut, Capitol Region Education Council, Windsor
3. An Alternative Program in Distributive Education Utilizing the Diversified Resources of a Large Shopping Complex (2nd Year), Board of Education Windsor Locks
4. Childhood and Parenthood Competency Education (2nd Year), Board of Education, Norwalk
5. Implementation of the East Shore Career Education Center (2nd Year), Area Cooperative Educational Services, New Haven
6. Dissemination Project-Connecticut Exemplary Programs, Area Cooperative Educational Services, New Haven
7. Preparation of Prospective Teachers for Career/Vocational Education (2nd Year), Eastern Connecticut State College, Willimantic

RESEARCH RELATED ACTIVITIES:

None Reported

PROJECTS AND ACTIVITIES PLANNED:

1. Analysis and Update of Information System (CVEIS)
2. Five and Ten-Year Follow-Up of Health Occupations Graduates
3. Administration of Ten (10) Small Research Grants

DELAWARE

Donald E. Dunkle, State Director of Vocational Education
Rachael Schweitzer, State RCU Director

PROJECTS COMPLETED:

1. Industrial Arts in the Elementary Schools, K-5, Appoquinimink School District
2. Performance Objective Based Vocational Education Curriculum Project, Newark School District
3. Performance Based, Self-Paced, Individualized Instructional System Packaging, Kent County Vocational Technical School District
4. About Face, Marshallton-McKean School District
5. Career Exploration, Grades 7-9 Inclusive, Seaford School District
6. Computerized Guidance Information System, Department of Public Instruction
7. Delmarva Career Education Program, Seaford School District
8. World at Work, Capital School District
9. Vocational Technical Education Consortium of States, Department of Public Instruction

NEW PROJECTS FUNDED:

1. Performance-Based, Self-Paced, Individualized Instructional System Packaging, Kent County Vocational Technical School District
2. Occupational Teacher Education, University of Delaware
3. Vocational Technical Education Consortium of States, Department of Public Instruction
4. Delmarva Career Education Program, Seaford School District
5. Elementary Industrial Arts Program, Conrad Area School District
6. Educational Resources Association, Delaware Technical and Community College

DELAWARE

7. Performance Objective Based Vocational Education Curriculum,
Newark School District

8. About Face, Marshallton-McKean School District

RESEARCH RELATED ACTIVITIES:

NONE

PROJECTS AND ACTIVITIES PLANNED:

NONE

DISTRICT OF COLUMBIA

Otho E. Jones, State Director of Vocational Education
Jeannie H. Carter, State RCU Director

PROJECTS COMPLETED:

NONE

NEW PROJECTS FUNDED:

1. Experienced-Based Career Education Program for Students in the Comprehensive High Schools of the District of Columbia

RESEARCH RELATED ACTIVITIES:

1. Attended various conferences and workshops including the National RCU Director's Conference in Orlando, Florida
2. Provided Monitoring and Supervision for "Career Mobile" project for Public and Student Relations Campaign which disseminates information and recruits students in the District
3. Conducted the Development of the State Plan and held open planning session with supervisory staff, the general public and invitants
4. Prepared the Annual Statistical and Descriptive Report
5. Held a workshop on the Annual Reports, developed paper on problems and concerns relative to the reporting process
6. Acquired and disseminated findings and materials requested by the state staff and provided information on grant opportunities
7. Provided appropriate data and information to PROJECT BASELINE
8. Assisted Director of Planning Unit in planning for Division's programs services and activities relative to State Planning
9. Assisted in the development of the Division's policy and position papers
10. Served as task force member for the implementation of MBO in Vocational Education in the District

DISTRICT OF COLUMBIA

11. Developed groundwork to adapt a MIS system
12. Accumulated and organized additional materials in the RCU Library and prepared a resource list for dissemination
13. Provided consultant services or technical assistance to various divisional staff members
14. Completed work with consultant group to develop a Manpower Information system which is part of a total Planning Project under Capital Budget Planning
15. Worked with State Supervising Directors of Programs and Services in the development and publication of brochures and flyers from all areas

PROJECTS AND ACTIVITIES PLANNED:

1. Coordinate the development of the State Plan for 1978
2. Develop a Mini State Plan for 1978
3. Refine Placement Process for Vocational Education graduates
4. Prepare the Annual Statistical and Descriptive Report for 1977
5. Establish an automated information system on students and teachers

FLORIDA

Joe D. Mills, State Director of Vocational Education
Patsy Agee, RCU Director

PROJECTS COMPLETED:

1. Research and Related Training Programs for Graduate Students, Florida State University, Tallahassee
2. Reproduction of Instructional Materials Developed by the G.R.O.W. Curricular Activity, Florida State University, Tallahassee
3. Reproduction of the Instructional Materials Developed by the Employability Skills Curricular Activity, Florida State University, Tallahassee
4. Continuing Development of LOM Materials, Florida State University, Tallahassee
5. Supplementary Funding: Major Curriculum Activities, FY 1974-75, Florida State University, Tallahassee
6. Scoring Instruments Necessary to Conduct a Product Evaluation of the Leon County Career Education Project, Leon County School Board, Tallahassee
7. Development of Programmed Guide for Local Vocational Directors to use in Cost-Benefit Analysis, Florida State University, Tallahassee
8. Development of a Guide for Elementary Guidance and Career Education for In-Service Package for Implementation, Florida State University, Tallahassee
9. Employment of a Technical Coordinator at FAMU for Development of V-TECS Catalogs, Florida A & M University, Tallahassee
10. Phase II Workshops to Train Teachers in Use of Valuing Materials and Teaching Techniques, University of Florida, Gainesville
11. A Feasibility Study in Curriculum Development Contract, Southern Association of Colleges and Schools Atlanta, Georgia
12. Identifying Performance Objectives Needed by Workers in Tourism Related Industries, Florida Atlantic University, Boca Raton
13. Controlled Vocabulary Approach to Teaching Shorthand, Duval County Public Schools, Jacksonville

FLORIDA

14. Exploratory Study of Competency-Based Teacher Education Programs in Occupational Home Economics, Florida State University, Tallahassee
15. Evaluation of Career Education Programs in Orange, Broward, Brevard, Leon, Escambia, Duval, Dade, and Hillsborough Counties, University of West Florida, Pensacola
16. Preparation of Teachers for Utilization of the valuing Approach to Career Education, P. K. Younge Laboratory, Gainesville
17. Distributive Education Dissemination Project, Florida Atlantic University, Boca Raton
18. Placement and Progress of Florida's Technical Graduates (Phase II), University of Florida, Gainesville
19. Student Personnel Services at Area Vocational Technical Centers Phase III, University of Florida, Gainesville
20. A Summary Report on Communication and Teaching Effectiveness in Vocational Education, University of West Florida, Pensacola
21. A Comparative Study in Business Education Programs in Areas I and III, Florida A & M University, Tallahassee
22. Articulation Program in Associate Degree Nursing, Lake-Sumter Community College, Leesburg
23. A Comparative Study of Work Experience Programs in Broward County, Broward County Public School, Ft. Lauderdale
24. Development of Criterion Reference Objectives for Automotive Mechanics, Florida A & M University, Tallahassee
25. Development of Criterion-Referenced Objectives for Automotive Body Repair, Florida A & M University, Tallahassee
26. Continuation of Work of Curriculum Development in Career Education Program, University of West Florida, Pensacola
27. To Conduct Field Tests of Project LOOM, Florida State University, Tallahassee

FLORIDA

NEW PROJECTS FUNDED:

1. Coordinate Special Evaluation Diffusion Activities, University of West Florida, Pensacola
2. The Impact on Vocational Education in Florida of Admissions Policies Based on the College Level Examination Program, State University System, Tallahassee
3. Continue Development of Competency-Based Teacher Education Programs in Cooperative Education, University of South Florida, Tampa
4. Evaluate an Open-Entry/Open-Exit System into Nurse Training Programs, Dade County School Board, Miami
5. Ten Year Follow-Up of Distributive Education Graduates from Florida Universities, University of South Florida, Tampa
6. Research Assistance for Vocational Education, University of West Florida, Pensacola
7. Development of a Curriculum Delivery System for Individualizing Instruction in Vocational-Technical Education, Florida State University, Tallahassee
8. Continue Development of the Coordinating Council Project, Brevard Community College, Cocoa
9. Continue Development of the Coordinating Council Project, Jackson County School Board, Marianna
10. Instructional Resources Development in Seafood Production, Pesticide Applicator Training, Turfgrass and Floriculture, University of Florida, Gainesville
11. Develop a System for Evaluating Local Vocational Education Programs, Florida State University, Tallahassee
12. Continue Development of Competency Based Teacher Education Programs in Cooperative Education, University of South Florida, Tampa
13. Development and Verification of Professional Competencies for Vocational Agriculture Teachers, University of Florida, Gainesville

FLORIDA

14. Design and Operate a Field Test Center for Vocational Education Products in Conjunction with the Career Education Consortium Project, Manatee Junior College, Bradenton
15. Continue the District Portion of the Comprehensive Program of Vocational Education for Career Development: K-University, Manatee County School Board, Bradenton
16. Continue the District Portion of the Comprehensive Program of Vocational Education for Career Development: K-University, Sarasota County School Board, Sarasota
17. Expansion and Demonstration of Vital Information for Education and Work (VIEW) with Computer Services, Lee County School Board, Ft. Myers
18. Develop a Model for Computerized District Comprehensive Follow-Up study, Alachua County School Board Gainesville
19. Continuation of Vocational-Technical Education Consortium of States (V-TECS), Florida A & M University Tallahassee
20. Implement a System for Providing and Developing Individualized Instructional Materials for the Disadvantaged and Handicapped, Duval County School Board, Jacksonville
21. Continue the District Portion of the Comprehensive Program of Vocational Education for Career Development: K-University, Manatee County School Board, Bradenton
22. The Development of a Competency-Based Pre-service-Inservice Learning System for Vocational Teachers, Florida State University, Tallahassee
23. Continue the District Portion of the Comprehensive Program of Vocational Education for Career Development: K-University, Sarasota County School Board, Sarasota
24. Membership Contract with Vocational-Technical Education Consortium of States (V-TECS) Contract, Southern Association of Schools and Colleges, Atlanta, Georgia
25. Development of Evaluation System for Comprehensive Vocational Education K-12 (EPIC) Contract, Education Progress in Careers, Inc. Ft. Lauderdale
26. Third-Party Evaluation of Manatee County Comprehensive Program of Vocational Education for Career Development: K-University

RESEARCH RELATED ACTIVITIES:

1. Revision and implementation of Management by objectives system including development of goals, mission statements, objectives and milestones for the bureau operation and for instructional responsibilities designated to this bureau.
2. Presentations to the following groups concerning bureau activities:
 - (a) Local Administrators and community college deans,
 - (b) Teacher educators
 - (c) division staff
3. Implementation of the CAPS placement and follow-up system state-wide on a pilot basis
4. Participation in the Fall and Spring meetings of the Southwide Research Coordinating Council
5. Planning and Coordinating the National RCU Personnel Conference
6. Conducting a series of regional meetings in Florida on placement and follow-up for local school districts
7. Working cooperatively on manpower information and placement and follow-up programs with state agencies and other interested groups, such as Department of Commerce, Department of Health and Rehabilitative Services, American Vocational Association, and National Advisory Council for Vocational Education
8. Preparing research and exemplary, dissemination and diffusion, and evaluation components for Florida State Plan and Annual Descriptive Report
9. Reviewing recommending and monitoring managerial aspects of research exemplary, evaluation and dissemination projects funded in the State
10. Providing consultative and technical assistance to projects in progress
11. Completing the development of guidelines for review of dissemination systems
12. Coordinating the development of contracts for the Vocational Division

FLORIDA

13. Coordinating the establishment and implementation of FY 76 research and exemplary discretionary projects
14. Preparing and submitting amendments to the discretionary research and exemplary projects
15. Monitoring discretionary research and exemplary projects
16. Providing information to National Academy of Sciences Study and Project Baseline Study for research and exemplary projects
17. Preparing the statewide program of work for research, exemplary, evaluation and dissemination activities
18. Conducting site visit to discretionary research and exemplary projects
19. Preparing and submitting applications for bilingual vocational training and career education funding
20. Evaluating several vocational schools for the regional accrediting agency
21. Developing needs assessment and impact models for Research and Development
22. Coordinating the dissemination of selected R & D project products

PROJECTS AND ACTIVITIES PLANNED:

1. Establish and continue projects operating through the U. S. Commissioner's discretionary share of research and training, and exemplary funds.
2. Prepare specifications and initiate research and exemplary projects for 1976-77
3. Continue implementation and further development of a diffusion/dissemination model for the Vocational Division
4. Identify and initiate new research and exemplary projects funded through state-administered monies
5. Continue developmental activities for: (a) placement and follow-up, (b) Career education, (c) Curriculum development, (d) Manage-

FLORIDA

ment by objectives for research, dissemination and evaluation bureau, (e) needs assessment for R & D, (f) impact studies for R & D

6. Continue liaison and coordination of vocational research and development efforts in and out of state
7. Evaluate and further refine a program review system to establish minimum student performance standards

GEORGIA

Russell S. Clark, State Director of Vocational Education
Wiley Simpson, RCU Director

PROJECTS COMPLETED:

1. Competency-Based Project, University of Georgia, Athens
2. Dissemination Project, Valdosta State College, Valdosta
3. Glynn County Planning Grant, Brunswick
4. College Board Consortium for Developing Tests of Career Development, New York, New York
5. Project to Develop Curriculum Materials for the Disadvantaged and Handicapped, Georgia Southern College, Statesboro
6. Career Education for Rural Georgian, Cordel and Hinesville

NEW PROJECTS FUNDED:

1. NOCTI Project (Certification Tests for T & I Instructors) Albany, New York
2. Glynn County Experience-Based Vocational Education Project, Brunswick
3. Athens Tech Adult Guidance Project, Athens

RESEARCH RELATED ACTIVITIES:

1. Conducted Workshops concerned with career and/or vocational education
2. Conducted workshops on individualizing instruction
3. Conducted conferences on approaches to the middle school
4. Previewed commercial curriculum materials for possible use in career and vocational education programs
5. Worked with local school systems and universities in the development of Proposals
6. Performed literature searches

GEORGIA

PROJECTS AND ACTIVITIES PLANNED:

1. To test the use of V-TECS catalogs of objectives by classroom instructors
2. To assess post-secondary vo-tech students in a minimum of 10 of the 72 instructional programs
3. To participate in a consortium with the College Entrance Examination Board to produce a complete set of test instruments for use in the assessment of student career development
4. To develop a plan and procedures for the statewide evaluation of vocational education
5. To develop an overall design for the implementation of a management information system for vocational education

HAWAII

Sam S. Shigetani, State Director of Vocational Education
Sybil Kyi, State RCU Director

PROJECTS COMPLETED:

1. Occupation Employment Projections
2. A Follow-Up Survey of Vocational Education Graduates
3. Career Development Continuum
4. Computerized Data System
5. Student Flow Project, University of Hawaii
6. Curriculum Guide for Hospitality Education, Kapiolani Community College

NEW PROJECTS FUNDED:

1. Student Flow Project, University of Hawaii
2. Curriculum Guide for Hospitality Education, Kapiolani Community College
3. A Model Vocational Technical Program for Small Rural High Schools, Hana High School
4. Career Exploration in Industrial Arts, State Department of Education
5. Materials and Program Development Center for the Pre-Industrial Preparation Program, Waialua High School

RESEARCH RELATED ACTIVITIES:

1. A continuing series of user-oriented occupation employment projection workshops was held (six workshops to date) to familiarize vocational education program administrators, planners and manpower agency persons with the products of project, actively involve them in the development and refinement of projection data and assessment of the quality of the information.

HAWAII

2. The coordinator for Research and Development/RCU Director participated in the following selected types of activities:
 - a. Served as group discussion leader in a CETA - HEW Coordination Conference,
 - b. Member of the Honolulu Manpower Planning Council (CETA) which is an advisory group to the Mayor
 - c. Member of the Overall Economic Development Program Committee (OEDP) of the City and County of Honolulu
 - d. Serves as current Secretary - Treasurer to the National Conference of RCU Personnel
 - e. Serves as staff consultant to several occupation program surveys - marine technology, human services, hospitality (visitor industry), etc.
 - f. Served on University of Hawaii task force to develop an alumni survey (patterned on a graduate follow-up survey)
 - g. Continuing responsibility for negotiation and scheduling of the Vocational Education Non-financial Agreement for CETA funded training projects

PROJECTS AND ACTIVITIES PLANNED:

1. Coordination in transfer of program reporting and graduate follow-up information activities to the University of Hawaii's Community Colleges (Chancellor's Office) and obtaining continuing information on vocational education graduate activities from the Survey Research Office of the University
2. Coordination and assistance on research discretionary and bilingual vocational education project proposals competition
3. Development of the FY 1978 State Plan for Vocational Education and meeting new requirements stipulated by the Education Amendments of 1976
4. Assisting vocational education administrators, program planners, manpower agencies and university planners in assessment of occupational demand and supply projections

5. Disseminating the products of vocational education research and innovation projects and activities and wherever possible, demonstrating their utility
6. Support and coordination of a new staff function - planning and evaluation to regularly monitor and scrutinize the effectiveness and quality of activities and/or projects that have been or are currently funded, and
7. Support and coordination with the Career Information resource collection now housed in the State Director's Office

IDAHO

Roy D. Irons, State Director of Vocational Education
Lawrence Lannigan, State RCU Director

PROJECTS COMPLETED:

1. Idaho View- Phase II (Continuation R-12), School District #322, Sugar City

NEW PROJECTS FUNDED:

1. Idaho View - Updating and Revision (Continuation R-12), School District #322, Sugar City

RESEARCH RELATED ACTIVITIES:

1. Developed, resource library, and disseminated research information.
2. Compiled statistical and placement reports.
3. Participated in review of Exemplary projects.
4. Expanded, updated, and disseminated VIEW System information.
5. Provided in-service training for use of VIEW System.

PROJECTS AND ACTIVITIES PLANNED:

1. Coordinate Management Information System development.
2. Provide and disseminate updated VIEW information.
3. Develop long-range student follow-up procedures.

ILLINOIS

James R. Galloway, State Director of Vocational Education
Ronald D. McCage, State RCU Director

PROJECTS COMPLETED

1. Feasibility of Establishing an Area Service Center for Providing Materials Acquisition and Distribution Resource Services in a Metropolitan Area, Regional Office of Education, Rockford
2. Public Service Practicum, Elk Grove High School, Elk Grove Village
3. An Exploratory Study of Professional Opinions and Current Practices Regarding Career/Vocational Education for Exceptionally Gifted and Talented Students, Northern Illinois University, DeKalb
4. Systems Development for Teacher Demand and Supply Model, Western Illinois University, Macomb
5. Vocational and Career Education in the 1980's: Toward a Process Approach, Southern Illinois University, Carbondale
6. Studying the Relationship Between Bilingual and Vocational Education, Southern Illinois University, Carbondale
7. Tri-County Career Education Project, Tri-County Industry-Education-Labor Council, Peoria
8. Careers, Academics and Life, University of Illinois, Urbana
9. Development of Field Testing of Curriculum Modules for Teaching Occupational Survival Skills, University of Illinois, Urbana
10. Career Assistance and Placement Services, Triton College, River Grove
11. Measuring Career Readiness in Elementary Education, Southern Illinois University, Edwardsville
12. A marketability Study of Graduates of Illinois Agricultural Programs of High Education for the Purpose: Student and Parent Advisement, Program Planning and Program Changing, Illinois State University, Normal
13. An Assessment of the Utility of "Part C" and "Part D" Research and Development Funds in Illinois, Southern Illinois University, Carbondale

ILLINOIS

14. The Impact of New Student Privacy Laws on Vocational Education Planning and Research, Steiger, Fink and Kosecoff, Inc., McLean, Virginia
15. The Uncomplicated Elementary Career System for the "Real" Classroom, Township High School District #204, Chicago Heights
16. Improve the Efficiency and Effectiveness of the MIS, Robert Davis Associates, Inc., Atlanta
17. Thinking for Action in Career Education (Phase II) (TACE), Robert Davis Associates, Inc., Atlanta
18. To Operationalize an Exemplary Demonstration Center for Sequential Programs in Occupational Education, Phase II, Chicago Board of Education, Chicago
19. An Evaluation Design for Field Testing a Guide to Action Research for the Occupational Education Practitioner, Roosevelt University, Chicago
20. To Develop a Diffusion Oriented Ancillary Service to Expand Occupational Education, Kappa Systems, Inc., Chicago
21. Develop Field Test and Disseminate a Program of Instruction for a Course in Heavy Equipment Operation and Maintenance for High School Students, Edwards County Community Unit School District #1, Albion
22. Statewide Dissemination of the Adult Vocational Education Management Model, Success Research Consultant, Inc., Tinley Park
23. The Development of Pilot Testing of a Delivery System for a Bilingual Consumer and Homemaking Education Program, Bilingual Education Center, Mt. Prospect
24. Identification of Pre-Cooperative Education Needs and Development of Process /Techniques for Aiding Special Needs Students in Special Cooperative Education Programs, School District #U-46, Elgin

NEW PROJECTS FUNDED:

1. Systematic Field Testing of Curriculum Materials for Broadening the Scope of Involvement of Young Women in Occupational Education, Steiger, Fink and Kosecoff, Inc., McLean, Virginia
2. A Basic Research Study to Ascertain the Effect(s) of the Advent

ILLINOIS

of Solar Energy upon the Present and Future Vocational Program Needs in Illinois, National Evaluation Systems, Inc., Amherst, Maine

3. An Improved Method for Training In-School Youth, Out-of School Youth and Adults for Careers in Inland Marine and Related Occupations, William D. Parsons and Associates, Villa Park
4. An Assessment of Training Needs for Coal and Gasification Occupations, Conserva, Inc., Raleigh, North Carolina
5. FWL/EBCE Technical Assistance Package for Joliet and Sycamore, Far West Laboratory, San Francisco, California
6. Apprenticeship Instructor Teaching Program, Greater Peoria Contractors and Suppliers Association
7. Curriculum Guide for a Seminar Type Course to Provide Pre-Employment Skills to Vocational Students Entering the World of Work, Edwards Senior High School, Albion
8. Analyzing Sex Bias in Career Choice of Students Exposed to Career Education Programs, Northern Illinois University, DeKalb
9. Assessment for Vocational Program Needs and Development in Illinois Correctional Institutions, Southern Illinois University, Carbondale
10. The Development and Implementation of a Program to Provide Community Career Resources, Education Office of Education, Rockford
11. An Assessment of Occupational Needs in Mining and Gasification to Implement Preliminary Planning of a Land Reclamation Demonstration Center, Pickneyville Community High School District #101, Pickneyville
12. The Compilation/Description of Interest Inventories Currently Utilized in Illinois, University of Illinois, Urbana
13. Project MAVE (Model for Articulated Vocational Education), Thornton Area Public School Association, South Holland
14. Project COVEE (Consortium of Vocational Educators and Employers), Educational Service Region, Edwardsville
15. A Proposal to Conduct a Comprehensive Needs Assessment Study for Vocational Education Programs and Services within Illinois, Educational Management Services, Inc., Minneapolis

ILLINOIS

16. Self-Concept Development through Consumer Education Units, Southern Illinois University, Edwardsville
17. Perform a Cost Differential Study Comparing Special Cooperative Education Program Cost with "Other" Education Program Costs at the Secondary Level, Robert Davis Associates, Inc., Atlanta, Georgia

RESEARCH RELATED ACTIVITIES:

1. The Special Vocational Education Needs of Women
2. The Illinois Experience Based Career Education Project
3. A Comprehensive State Plan for the EBCE Implementation in Illinois

PROJECTS AND ACTIVITIES PLANNED:

1. The Research and Development Section is in the process of developing priorities and activities for FY 78.

INDIANA

Don K. Gentry, State Director of Vocational Education
Edgar Hornback, State RCU Director

PROJECTS COMPLETED:

1. Self Instructional Materials for Conditionally Licensed Teachers, Indiana State University, Terre Haute
2. Overhead Transparencies, Indiana State University, Terre Haute
3. Vocational Needs for Incarcerated People, Indiana Vocational Technical College, Indianapolis
4. Career Orientation of Low Income Youth, Purdue University, West Lafayette
5. Assessment and Evaluation Plans for Vocational Activities, New Educational Directions, Crawfordsville
6. Placement and Follow-up at a Community Level, New Albany-Floyd Consolidated Schools, New Albany
7. Career Placement Service, LaPorte Community School Corporation, LaPorte
8. Business Office Education District Library, Tri-Creek School Corporation, Lowell
9. Materials for Teaching Leadership and Character, Purdue University, West Lafayette
10. Record Keeping Materials for Agri-Business Students, Prairie Heights High School, LaGrange
11. Horticulture Seminar, C. A. Prosser Vocational Center, New Albany
12. Career Mobile Unit, Penn-Harris-Madison School Corporation, Mishawaka
13. Career Education, Ball State University, Muncie
14. Plans of High School Seniors, Purdue Research Foundation, West Lafayette
15. Evaluation System for Vocational Teacher Education, Purdue Research Foundation, West Lafayette

INDIANA

16. Evaluation System for Vocational Teacher Education, Indiana University, Bloomington
17. Trends in Plans of High School Seniors, Purdue University, West Lafayette
18. Employer Brochure, South Bend Community School Corporation, South Bend
19. Landscape Design, Elkhart Community Schools, Elkhart
20. Electrical Discharge Machining Text, Mid-Central Area Vocational School, Elwood
21. Self Improvement Course, New Albany-Floyd Consolidated School Corporation, New Albany
22. Oral Communication Skills for Business Student, Indiana Vocational Technical College, Indianapolis
23. Health Occupations Continuing Education, Evansville-Vanderburgh School Corporation, Evansville
24. Independent Study in Vocational Education, Indiana University, Bloomington
25. Manpower Needs Projection Data System, Indiana Vocational Technical College, Indianapolis
26. Placement Service, New Albany-Floyd Consolidated School Corporation, New Albany
27. Vocational Guidance Services, Evansville-Vanderburgh School Corporation, Evansville
28. Health Occupations Education Program, New Castle Community School Corporation, New Castle
29. Competencies Pertinent to Agri-Chemical Occupations, Purdue Research Foundation, West Lafayette
30. Audio-Visual Material for Leadership Instruction, Purdue University, West Lafayette
31. Guidance Program with Emphasis on Counseling, Placement, Follow-up Porter Consolidated Career Education Cooperation, Valparaiso

INDIANA

32. Develop Student Selection Scales for Career Placement, Purdue Research Foundation, West Lafayette
33. Training Members of Volunteer Fire Departments, Michigan City Area Schools, Michigan City
34. Career Education, Michigan City Area Schools, Michigan City
35. Career Education, Four County Area Vocational Cooperation Garrett
36. Career Development Program, School Town of Highland, Highland
37. Data Systems Contract, MSD Washington Township, Indianapolis

NEW PROJECTS FUNDED:

1. Determination of the Employment and Educational Plans and the Occupational Choices of Seniors in Indiana High Schools: Class of 1975, Purdue Research Foundation, West Lafayette
2. Budget for the Visitation Phase of Post-Secondary Accreditation Process, Indiana Vocational Technical College, Indianapolis
3. Development of a Generalization Evaluation Model for Vocational Teacher Education Programs in Indiana, Purdue Research Foundation, West Lafayette
4. Development of a Generalization Evaluation Model for Vocational Teacher Education Programs in Indiana, Indiana University, Bloomington
5. Development and Implementation of an In-Service Training Program for Curriculum Development in an Area Vocational School, West Washington School Corporation, Campbellsburg
6. The Development of a Competency-Based, Multi-Occupational System for Flexible Vocational Education Programming, Carmel Clay Schools, Carmel
7. Assessment and Evaluation of the Public's Perception of Vocational Education in Indiana, Purdue Research Foundation, West Lafayette
8. Needs Assessment for Area 6, Marion Community Schools, Marion

INDIANA

9. The Development and Validation of a Vocational Interest Survey Instrument with Audio-Visual Format, Penn-Harris-Madison School Corporation, Osceola
10. Griffith High School Career Education Pilot Project, Griffith Public Schools, Griffith
11. A Pilot Project to Develop Work-Infused Experiences for Mathematics Instruction, Elkhart Community Schools, Elkhart
12. D. E. Consortium of State Teacher Education Institute for In-Service Personal Contact Follow-Up of D. E. Teacher Personnel, Indiana State University, Terre Haute
13. Changing Trends in the Plans of High School Seniors, Purdue University, West Lafayette
14. Work Attitudes and Employment, New Educational Directions, Crawfordsville
15. Establish a National Occupational Competency Testing Center to Serve Indiana Needs, Purdue University, West Lafayette
16. A Model for Competency Based Vocational Teacher Evaluation, Crawfordsville Community Schools, Crawfordsville
17. Quantitative Requirements for Vocational Educators in Education, Purdue Research Foundation, West Lafayette
18. Development of a Cost-Effectiveness Analysis Model and User's Manual for Postsecondary Programs, Indiana University, Bloomington
19. Follow-up Materials and Baseline Assessment of Adult Vocational Education Students, Indiana University, Bloomington
20. Development of Electro-Laser Surveying Measurements as Applied to Technical Education, Vincennes University, Vincennes
21. Computer Aided Instruction in Drafting, Civil Engineering and Electronics Technologies, Vincennes University, Vincennes
22. Assessment of Manpower Needs in Production Agriculture and Agri-Business Firms in Indiana, Purdue Research Foundation, Lafayette
23. Facilitation of Entry into an Associate Degree Nursing Program by Licensured Practical Nurses, Purdue University, Lafayette

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24. Expand Use of Cognitive Style Mapping as Counselling Tool, Indiana Vocational Technical College, Terre Haute
25. Films for Effecting Female and Minority Vocational Enrollment, Indiana Career Resource Center, Mishawaka
26. Sex as a Determinant in Vocational Choice, New Educational Directions, Crawfordsville
27. Attitudes of Adolescent Girls Towards Vocational Education, Indiana University, Bloomington
28. The Development of a Vocational Diagnostic Program, Indiana Vocational Technical College, South Bend
29. Seminar Instruction Delivery System in Advanced Vocational Courses, Indiana Vocational Technical College, Columbus
30. Assessment of Vocational Program Needs, Garrett-Keyser-Butler School Corporation, Garrett
31. Assessing Present Vocational Curriculum and Providing for Improvement Recommendations, Tipton Community School Corporation, Tipton
32. Research Educational Materials to Produce Business Vocational Education Promotional Programs, Evansville-Vanderburgh School Corporation, Evansville
33. Cooperative Office Education Employer Brochure, South Bend Community School Corporation, South Bend
34. Distributive Education and You, South Bend Community School Corporation, South Bend
35. Development of a Bibliography of Filmstrips of ICT Instruction, Purdue Research Foundation, West Lafayette
36. A Bibliography of Cassette Instructional Materials Available for ICT Instruction, Purdue University, West Lafayette
37. Slide and Taped Presentation of Good and Poor Landscape Practices, Elkhart Community Schools, Elkhart
38. Electrical Discharge Machining for the Secondary Vocational Level, Mid-Central Area Vocational School, Elwood

INDIANA

39. Lake Central High School Intensive Office Laboratory Prospectus for Businessmen, Lake Central School Corporation, St. John
40. A Project to Update the Needs and Objectives of Vocational Programs, Monroe County Community School Corporation, Bloomington
41. Research Dissemination, Indiana Curriculum Materials Center, Terre Haute
42. Self Improvement Course for Young Adults, New Albany-Floyd County School Corporation, New Albany
43. A Purposive Study: Auto Mechanics/V-TECS, Indiana University, Bloomington
44. Needs Assessment Information and Dissemination, Marion Community Schools, Marion
45. Manpower Needs Projection Data System, Indiana Vocational Technical College, Indianapolis
46. Continuation of Strategies for a Placement Service at the LEA Community Level and a Continuation of a Follow-Up Model Applicable to Local and State Needs which will Assist Each Local and/or State Planning, New Albany-Floyd County School Corporation, New Albany
47. Developing a System for Comprehensive Screening-Placement-Follow Up Services for Local Education Agencies, Evansville-Vanderburgh School, Evansville
48. Placement Service Model, Mid-Central Area Vocational School, Elwood
49. A Plan for the Research Development and Implementation for Comprehensive Health Occupations Education Program, New Castle Community School Corporation, New Castle
50. Development of a Health Occupations Continuing Education Center, Evansville-Vanderburgh School, Evansville
51. A Dissemination System for the Indiana Research Coordinating Unit, Indiana University, Bloomington
52. A System to Integrate and Increase Efforts of Universities' Counselor Educators and Vocational Education to Develop Stronger Counselor Training Program, Indiana University, Bloomington

INDIANA

53. Identification of the Occupational Competencies Needed in the Area of Agri-Chemicals, Purdue Research Foundation, West Lafayette
54. Development and Field Testing of Audio-Visual Material for Thirteen Units of Leadership Instruction, Purdue University, West Lafayette
55. Innovative Projects Involving New Approaches to Vocational Education Implementation of a Guidance Program County-Wide with Emphasis on Counseling, Placement, and Follow-Up for Selected Service Target Groups, Porter County Career Education Cooperative, Valparaiso
56. The Development and Field Testing of an Objective Selection Scale for Student Career Placement, Purdue Research Foundation, West Lafayette
57. Fire Education and Training, Michigan City Area Schools, Michigan City
58. A Career Consultant Program, Michigan City Area Schools, Michigan City
59. Dissemination of Locally Developed Career Education Units and Resource Guide, Franklin Community School Corporation, Franklin
60. Career Occupational Home Living Opportunities through Mobile Education (Co-HOME), Four County Area Vocational Cooperative, Garrett
61. Implementation of a Career Guidance Development Program, School Town of Highland, Highland
62. K-6 Career Education Development, Greensburg Community School Corporation, Greensburg
63. Data Systems Contract, MSD Washington Township, Indianapolis
64. Integrated Regional Planning and Communication, New Albany-Floyd County School Corporation, New Albany
65. In-Service Training for Curriculum Specialist, South Central Area Vocational School, Campbellsburg
66. The Development of a Competency Based Teacher Education Curriculum Model, Purdue University, West Lafayette

INDIANA

67. Vocational Placement and Follow-Up Project, Garrett-Keyser-Butler School Corporation, Garrett
68. Implementation of a Job Placement and Follow-Up System for Vocational Students, Clinton Central School Corporation, Michigantown
69. Vocational Education Student Job Placement and Follow-Up, Elkhart Community Schools, Elkhart
70. Development of Essential Follow-up and Placement of Vocational Education Students, Bartholomew Consolidated School Corporation, Columbus
71. A Job Placement Follow-Up Study, Monroe County Community School Corporation, Bloomington
72. A Placement and Follow-Up System for Post-Secondary Vocational-Technical Programs, Indiana Vocational Technical College, Evansville
73. Development of Southeastern Indiana Vocational School and Employer Communications System, Indiana Vocational Technical College, Columbus
74. Perry County Placement and Follow-Up Project, Perry County Area Vocational Education Program, Tell City
75. BRVTC Placement Review (Re-visit Interests, entry into work), Blue River Vocational Technical Center, Shelbyville
76. Implementing a Student Job Placement Service, Indiana Vocational Technical College, Fort Wayne
77. Assessing the Effectiveness of Publicizing Prospective Graduates as a Placement Technique, Indiana Vocational Technical College, Terre Haute
78. Follow-Up of Students not Completing Degree Requirements, Indiana Vocational Technical College, Indianapolis
79. Implementing a Student Job Placement Service, Indiana Vocational Technical College, Richmond
80. In-Depth Follow-Up of Graduates from IVTC at Madison, Indiana Vocational Technical College, Madison

INDIANA

81. Implementation of a Job Placement and Follow-Up Service for Area 37, Central Nine Vocational Technical School, Greenwood
82. Job Placement and Follow-Up, MSD Wayne Township, Indianapolis
83. Mobile Laboratory to Effect Knowledge of Techniques for Vocational Exploration, Penn-Harris-Madison School Corporation, Osceola
84. Careers Resource Project Utilizing a Mobile Unit Design, Indiana Vocational Technical College, Evansville
85. Identification and Analysis of Distributive Curricular Needs by Job Title, MSD Washington Township, Indianapolis
86. Project HOPE - A Comprehensive Plan for Indiana Health Occupations Program Educators, New Castle Area Vocational School, New Castle
87. Special Services Coordination Involving Screening Placement Follow-Up of Vocational Students, Evansville-Vanderburgh School Corporation, Evansville
88. Development of a Health Occupations Continuing Education Center, Evansville-Vanderburgh School Corporation, Evansville

RESEARCH RELATED ACTIVITIES:

1. Project HOPE, New Castle Community Schools, could provide base information to other states planning to initiate program and curriculum changes for health occupations
2. Marion Community Schools has developed a model system for assessing local needs for vocational programs
3. Placement and Follow-Up exemplary projects by several agencies listed could provide design and development information to states

PROJECTS AND ACTIVITIES PLANNED:

1. During the winter of 1976, a Delphi Research Technique will be used to establish fiscal year 1978 Research and Development Priorities for Indiana. In January, 1977, prospectuses will be solicited for the 1978 priorities identified. Fiscal year 1978 proposals will be approved by the State Board of Vocational and Technical Education at their July, 1977 meeting for contingent obligation of fiscal year 1978 Federal Funding

INDIANA

2. Specific procedures as contracted with the Office of Education will be performed to finalize a project titled "Assessment of an Individual's Job Related Skills and Knowledges."

IOWA

William O. Schuermann, State Director of Vocational Education
Kenneth M. Wold, RCU Director

PROJECTS COMPLETED:

1. Competencies Needed by Workers in Occupations Requiring Less Than a Baccalaureate Degree in the Horticulture Industry, Iowa State University, Ames
2. Population/Enrollment Trends in Iowa and Their Implications for Iowa's Area Schools, Kirkwood Community College, Cedar Rapids
3. Third-Party Evaluation of Models for Precareer Education in Iowa and Models for Secondary Career Education in Iowa, University of Iowa, Iowa City
4. An Extension of the Population/Enrollment Trends in Iowa and Their Implications for Iowa Schools, Indian Hills Community College
5. Comprehensive Career Education Research and Plan Development in Area XV, Kirkwood Community College, Cedar Rapids
6. Determine the Career Education Needs for Merged Area 1, Northeast Iowa Area Vocational-Technical School, Calmar
7. Development of a Competency-Matrix Based K-22 Industrial Arts Curriculum Guide, Iowa State University, Ames
8. Implementing Distributive Education Learning Systems, University of Northern Iowa, Cedar Falls
9. Needs for Integrating Career Education Services Within the Des Moines Area Community College District, Des Moines Area Community College, Ankeny
10. Developing a Long-Range Master Plan for Implementing Career Education in Schools in Area VI, Iowa Valley Community College, Marshalltown
11. Research Project on Career Development in Merged Area III, Iowa Lakes Community College, Estherville
12. Determine Competency Needs of Sanitarian Aides, Phase II, Iowa Western Community College, Council Bluffs

IOWA :

13. Career Education Assessment for Merged Area IX, Eastern Iowa Community College, Davenport
14. Area XVI Career Needs and Interest Study, Southwestern Community College, Burlington
15. Assessment of Employment Opportunities in Family and Community Services in Area XV, Indian Hills Community College, Ottumwa

NEW PROJECTS FUNDED:

1. Proposal for a Research Grant to Determine the Needs of Merged Area XIV in Relation to the Implementation of a Long-Range Plan for Career Education, Southwestern Community College, Creston
2. Career Needs Assessment for Merged Area IV, Northwest Iowa Technical College, Sheldon
3. An Assessment of the Roles, Functions, and Needs for Personnel Development Coordination Within Area Schools and Area Education Agencies, Iowa State University, Ames
4. Career Education Needs and Development Plan for Merged Area (Education) VII, Hawkeye Institute of Technology, Waterloo
5. Procedures for Teaching Skills for Living in Classes Where Mildly Handicapped Pupils are Integrated with Non-handicapped Pupils, Iowa State University, Ames
6. Career Education Needs Information System (CENIS) III, Department of Public Instruction, Des Moines
7. Implementation of an Employer Follow-up Survey, Department of Public Instruction, Des Moines
8. Assessing the Effect of Adult High School Completion Programs on Graduate Placements, Des Moines Area Community College, Ankeny

RESEARCH RELATED ACTIVITIES:

1. Reviewed and assessed the progress of research projects and consulted with project directors and staffs in regards to continuation of these projects
2. Established research priorities for Fiscal Year 1977. Solicited

input from Iowa local school, area school, area education agency, college, and university staffs regarding questions and problems to be investigated. With the aid of the Career Education Research Advisory Committee and Career Education Division management staff representatives, established a priority ranking of items to be undertaken during Fiscal Year 1977

3. Prepared and disseminated requests for proposals based on prioritized listings of suggestions
4. Continued to encourage research proposal development by local and area schools, area education agencies, colleges, and universities
5. Worked with individuals interested in preparing proposals for new research projects
6. Developed criteria checklist for rating proposals. Obtained proposal evaluations from Research Advisory Committee and Developed recommendations for approval
7. Coordinated and reviewed the preparation of research project materials for dissemination through printing and microfiche
8. Printed and disseminated findings of a research project "Competencies Needed by Workers in Horticultural Occupations." Reprinted Curriculum Guides in Agribusiness and Natural Resources Education
9. Utilized interface data from the second cycle of the Career Education Needs Information System (CENIS) to provide a base for developing the publication Prioritizing Iowa's Training Needs which was distributed to local and area schools, area education agencies, universities, and state agencies
10. Revised the format for preparation of proposals for research projects
11. Prepared a checklist system for reviewing bid proposals for research contractual projects
12. Developed a format for a Research and Exemplary Newsletter; prepared and disseminated three issues
13. Conducted a supplemental survey to the Career Education Needs Information System (CENIS) "Preparation of Data for the Calculation of Estimates for Selected Health Occupations."

14. Continued to develop a file of task analysis and competency studies for use by state consultants in assisting local and area education agency personnel in the development of curriculum materials
15. Analyzed and summarized state income tax and social services data and incorporated them into a publication entitled, Low Income Individuals in Iowa School Districts and Counties, Data Summaries
16. Prepared the Annual Fiscal, Statistical, and Descriptive Report, FY 1975, as required by the U.S. Office of Education
17. Continued to sponsor the development of individual area assessment and planning projects in the merged area schools in Iowa
18. Prepared and forwarded to the regional office for approval the State Plan for the Administration of Vocational Education Within Career Education, FY 1977
19. Coordinated the updating of the Iowa Handbook, a Supplement to the State Plan for the Administration of Career Education

PROJECTS AND ACTIVITIES PLANNED:

1. Provide consultative service to local schools, area schools, area education agencies, colleges, and universities as requested for the development and implementation of research in career education
2. Solicit suggestions for research topics, obtain rankings of topics from the Career Education Research Advisory Committee and the Career Education Division management staff
3. Prepare and disseminate requests for research proposals based on prioritized listing of topics
4. Continue to stimulate interest in additional research undertakings
5. Continue to disseminate the findings of research projects
6. Update an Iowa Program Priority Area listing for use in planning program direction at local and area schools
7. Ascertain progress of ongoing research projects by means of a self-evaluation instrument (Research Project Evaluation Report) and through follow-up visits to research sites as necessary

IOWA

8. Apply data to standard formulas to obtain final priority ranking of secondary and postsecondary institutions for reimbursement purposes
9. Administer and coordinate CENIS III and Employer Follow-up projects from State office
10. Continue revision of the Career Education Handbook to supplement the State Plan
11. Prepare and disseminate Research and Exemplary Newsletter each quarter during the Fiscal Year
12. Coordinate development of the Annual U.S. Office of Education Statistical, Fiscal and Descriptive Report of Activities for Fiscal Year 1976
13. Coordinate development of State Plan for the Administration of Vocational Education within Career Education
14. Analyze and summarize state income tax and social services data and incorporate them into a publication entitled, Low Income Individuals in Iowa School District and County Data Summaries
15. Assist in the preparation of a state plan for the implementation of career education statewide

KANSAS

Dean Prochaska, State Director of Vocational Education
Wilbur A. Rawson, State RCU Director

PROJECTS COMPLETED:

1. Wichita Pilot Research Voc. Assessment Center USD #259, Wichita AVTS
2. Contract for Educational Grant-Manhattan AVTS (2), Manhattan AVTS
3. Project Discovery Research Project for Newton AVTS, Newton AVTS
4. D.O.T. Based Careers Analysis - Shawnee Mission USD, Shawnee Mission USD
5. Task Force 1983 - Kansas State College, Pittsburg, KSC, Pittsburg
6. Articulation & Integration of Voc. Health Occup. Curricula, Salina AVTS
7. Development of a Guide for P/S Distributive Ed., Emporia, KSC
8. Vocational Research Grant- Ks. Wesleyan, Salina, Ks. Salina, Ks. Wesleyan
9. Voc. Needs Survey of the 9 Counties in SEK-KSC, Pittsburg, Pittsburg, KSC
10. Dev. Criteria for Voc. Program Enrollees-Manhattan AVTS, Manhattan AVTS
11. Dev. Criteria for Voc. Program Enrollees-Manhattan AVTS, Manhattan AVTS
12. Pilot Project to Determine the Ed. Need of Industries in SEK-KSC, Pittsburg

NEW PROJECTS FUNDED:

1. Southeast Kansas Career & Voc. Ed. Service - USD #101, 9 County Ed. Service, Erie
2. DOT Based Career Analysis for Teacher/Student Use, Shawnee Mission USD
3. DECO - Southwest Kansas AVTS, Dodge City AVTS

KANSAS

4. Project Success, Butler County CJC, Butler County, CJC
5. Two Yr. Follow-up at 1973-74 Ks. Voc. Completers & Felt Upgrading, Manhattan AVTS
6. Special Vocational Program for Handicapped, Tri-County, Independence USD
7. Contract for Ed. Grant, Manhattan AVTS
8. Coordinate Ed. Services for Voc. Ed., Shawnee Mission USD
9. Validation of Computerized Record System, Pittsburg, KSC
10. Development of Materials for teacher education, Kansas State College of Emporia
11. Health Occupations-alternate clinical ed. opportunities for students in health occupation in Kansas, Salina AVTS
12. Research needs and alternatives for implementing the State home economics guidelines, Dodge City AVTS
13. Evaluation of the CCVEP Program, Kansas State College of Emporia
14. Method of Training, State College of Emporia
15. Wichita Pilot REsearch Voc. Assessment Center
16. Contract for Educational Grant-Manhattan AVTS
17. Contract for Educational Grant-Manhattan AVTS
18. Project Discovery Research Project for Newton
19. D.O.T. Based Careers Analysis-Shawnee Mission
20. Task Force 1983 Kansas State College-Pittsburg
21. Articulation & Integration of Voc. Health Occup. Curricula-Salina AVTS
22. Development of a Guide for P/S Distributive ED Emporia Kansas State College
23. Vocational Research Grant, Ks. Wesleyan
24. Voc. Needs Survey of the 9 Counties is SEK KSC, Pittsburg

KANSAS

25. Dev. Criteria For Voc. Program Enrollees, Manhattan AVTS
26. Dev. Criteria for Voc. Program Enrollees, Manhattan AVTS
27. Pilot Project to Determine the Ed. Need of Industries in SEK-KSC, Pittsburg
28. FY 1977 (Includes all FY 1977 funds)
29. SEK Career and Voc. Ed. Service-USE #101-Erie
30. DOT Based Career Analysis for Teacher/Student Shawnee Mission USD
31. DECO - Dodge City
32. Project Success - Butler County CJC
33. Two-Yr. Follow-up at 1973-74 Kansas Voc. completers and Felt Upgrading-Manhattan AVTS
34. Special Voc. Program for Handicapped
35. Contract for Ed. Grant, Manhattan AVTS
36. Coordinated Educational Services for Voc. Ed. Shawnee Mission USD
37. Validation of Computerized Record System-KSC Pittsburg

RESEARCH RELATED ACTIVITIES:

None Reported

PROJECTS AND ACTIVITIES PLANNED:

None Reported

KENTUCKY

Billy R. Howard, State Director of Vocational Education
Bob Spellman, State RCU Director

PROJECTS COMPLETED:

1. A field Trail and Analysis of Selected Occupational Guidance Activities with Counselor In-Service Education, Western Kentucky University, Bowling Green.
2. Two Hour Vocational Classes at the Laurel County Area Vocational School, Region 13, Barbourville.
3. Post-Secondary Vocational Education Students in Kentucky: An Analysis of Variables Associated with Their Enrollment in Two Types of Institutions, Bureau of Vocational Education, Frankfort.
4. An Experimental Study to Determine the Impact of Career Exploration on Career Maturity and Attitudes Toward School of Junior High Students in Bullitt County, Hebron Junior High, Shepherdsville.
5. Effects of a Program of Career Education in The Hazard Region--Phase II, University of Kentucky, Lexington
6. A Statewide Assessment of the Utilization of Direct Operated Vocational Education Facilities, Bureau of Vocational Education, Frankfort
7. Competency-Based Program Development in Vocational Education, Curriculum Development Center, University of Kentucky, Lexington
8. Carroll County Vocational Internship Program, Carroll County Schools, Carrollton
9. Evaluation of Equipment Needed to Field Test Competency-Based Individualized Instructional Materials, Curriculum Development Center, University of Kentucky, Lexington
10. A Triangular Teaching Process In Mass Communications, Daviess County, Owensboro
11. Articulation Project In Allied Health, Murray State University/Madisonville Health Occupations Program; Murray

NEW PROJECTS FUNDED:

1. Continuation To: Identification of Professional Competencies Needed by Vocational Administrators in Kentucky, Eastern Kentucky Richmond

KENTUCKY

2. Development and Evaluation of a Technical Report for Dissemination of Research and Development Information to Kentucky Vocational Educators, Bureau of Vocational Education, Frankfort.
3. An Assessment of Vocational Education Needs of the Disadvantaged and Handicapped in Kentucky, University of Louisville, Louisville.
4. Forecasting and Analyzing Needs and Barriers in Kentucky Vocational Education, University of Louisville, Louisville.
5. Evaluating Mini-Lessons on Video Tape for Use in Units of Instruction for Child Day Care Center Personnel, University of Kentucky, Lexington.
6. Continuation To: Mining and Reclamation Cooperative Education Program, Madisonville Community College, Madisonville.
7. Continuation To: Placement and Follow-Up Model, Region IV, Western Kentucky University, Bowling Green.
8. Development of a Model Research and Development Information Dissemination Program for the Kentucky Bureau of Vocational Education: An Omnibus Plan, Bureau of Vocational Education, Frankfort.
9. A Demonstration School Site Program in Vocational Education, Bureau of Vocational Education, Frankfort.
10. Rowan County Experiential Field Consortium, Rowan County Schools Morehead.
11. The Mayfield Student Exchange Project in Industrial Arts and Vocational Education Programs, Mayfield Area Vocational Education Center, Mayfield.
12. The Development of an Instrument to Measure Student Attitudes Towards Competency-Based Individualized Modules of Instruction in Vocational Education, University of Kentucky, Lexington.
13. A Study of a Two Hour Time Block in Industrial Education, Newport Board of Education, Newport.
14. Exemplary Project In Competency-Based Engineering Technology, Somerset Community College, Somerset, Kentucky.

RESEARCH RELATED ACTIVITIES:

1. The Kentucky RCU funded a third party to conduct an impact evaluation study of past R & D activities of the Kentucky RCU.

KENTUCKY

This study has been completed and the final report is being printed at this time.

2. The RCU staff completed a guide for developing proposals and writing progress and final reports. This guide has been printed and widely distributed across the State of Kentucky. It is being used as a supplementary text by some professors of research methods in various universities in Kentucky.

PROJECTS AND ACTIVITIES PLANNED:

1. The Kentucky RCU plans to conduct a survey during the next year to enable the updating and modification of our present research, exemplary and dissemination needs. Our present priority listing was established, using a modified Delphi technique approximately two years ago. The RCU staff feels this technique is good, however, it needs to be modified to enable us to reduce the priority listing to more manageable number.
2. The Kentucky RCU plans to act as an intermediary in soliciting a third party contract for the evaluation of Kentucky's state-wide competency-based vocational education program.
3. The Kentucky RCU plans to address itself to as many of the fifteen selected recommendations for future action resulting from the recently completed impact evaluation study as possible.

LOUISIANA

Harry J. Boyer, Acting State Director of Vocational Education
Florent Hardy, RCU Director

PROJECTS COMPLETED:

1. Assessing Facility Needs and Planning for the Implementation of a Career Development Center in Avoyelles Parish, Avoyelles Parish School Board

NEW PROJECTS FUNDED:

1. Criminal Justice Education and Action Project for Unions, Loyola University of the South
2. Coal Definitions for Vocational-Technical Education Programs in Louisiana, Loyola University of the South
3. Louisiana Occupational Training Information System Phase II, Louisiana Tech University

RESEARCH RELATED ACTIVITIES:

1. Reclassification system of library resource publications.
2. Classified and filed all research findings of the statewide Building Trades and Maintenance Occupations survey
3. Worked with Louisiana's Board of Regents (Higher Education) which conducted a vocational education study for inclusion in a Career Guide
4. Met with Louisiana State Planning Office to coordinate retrieval and research efforts
5. Applied experiences gained at Educational Resources Information Center (ERIC) Workshop for more efficiency in providing service to persons requesting research assistance
6. Disseminate research findings and ERIC microfiche upon request
7. Completed Vocational Education Directory with breakdown by parish, school, program, funding, teacher, and completions
8. Applied experiences gained at Research Statistics Workshop in feasibility study organization and dissemination

LOUISIANA

9. Retrieved and compiled all statistical data presented in the 1977 Louisiana State Plan for Vocational Education
10. Meeting with a representative from the Governor's Office to formulate plans for coordination of research
11. Assisted the sections of the Bureau of Vocational Education in research related activities
12. Formulated guidelines for vocational education programs and research proposals. Applied Management by Objectives Workshop experiences in long range planning procedures
13. Began preliminary planning for conducting a feasibility study to determine the need for establishing a vocational technical school on the West Bank of the Mississippi River for Ascension, Assumption and St. James Parishes
14. Presented In-Service to the Bureau of Vocational Education on RCU's role and research materials
15. Chaired the Education presentation at the annual Data Users Conference sponsored by the Governor's Office of State Planning
16. Assisted local education agencies in proposal writing to meet guidelines
17. Wrote position papers for use in presenting to the Education Committee in the Legislature
18. Attended National Research Coordinating Unit Conference
19. Monitored Part C projects

PROJECTS AND ACTIVITIES PLANNED:

1. Help in organizing, compiling and writing the 1978 State Plan for Vocational Education as well as providing all statistical data
2. Monitor Part C Projects - approximately ten new projects are anticipated
3. Assist in reorganizing evaluation procedures for all vocational education funded projects
4. Attend all meetings which will strengthen research efforts of the Bureau

LOUISIANA

5. Conduct four feasibility studies to determine the need for establishing new vocational technical schools
6. Participate on Bureau committees to revise certain forms sent to LEA's for more maximum information
7. Continue providing manpower data to Trade and Industry Section, in particular, and upon request
8. Attend and participate in public hearings for Vocational Education
9. Make presentations to the State Board when vocational education research is involved
10. Attend meetings, conventions, conferences, and workshops for professional growth and development
11. Continue cooperative efforts with other State agencies to maximize research efforts in vocational education
12. Assist in all reports requested from the Bureau

MAINE

Elwood A. Padham, State Director of Vocational Education
Charles W. Ryan, RCU Director

NO REPORT RECEIVED

MARYLAND

Daniel Dunham, State Director of Vocational Education
Gary Green, State RCU Director

PROJECTS COMPLETED:

1. Evaluation of the Carroll County Vocational-Technical Education Programs
2. Maryland High School Graduate Follow-up Study - 1971
3. Directory of Vocational Education Programs in Maryland
4. Administrative Information Management System (AIMS) Reports FY 1976
5. Project "ACE" - Approaches to Career Education
6. AIMS Automated Instructional Sets
7. Maryland Research Coordinating Unit Slide-Tape Show

NEW PROJECTS FUNDED:

1. Maryland Administrative Information Management Systems (AIMS)
2. Mini-Service Bureau
3. Remote Job Entry (RJE)
4. Computer-Assisted Instruction (CAI)
5. Statewide Vocational Follow-up
6. Information Dissemination System
7. Project "ACE" - Approaches to Career Education
8. Vocational Personnel Development Needs Assessment

RESEARCH RELATED ACTIVITIES:

The RCU staff provided the following technical assistance:

1. Conversion of apprenticeship files to data base
2. Development of system for microfilming and indexing private vocational school training records

MARYLAND

3. Conversion of State Vocational Equipment Inventory from manual, to automated, to data base
4. Proposal writing
5. Recommendation of a microform system for DYTE files
6. Internal evaluation
7. Provided manpower data
8. Data analysis and system design

Members of the RCU staff attended the following conferences and workshops:

1. National Management Information Systems Conferences - Chicago, Illinois
2. Local Administrators Annual Meeting - Cumberland, Maryland
3. ERIC Regional Workshop - Richmond, Virginia
4. ERIC Data Base Users Conference - Boston, Massachusetts
5. Southwide Research Coordinating Council for Occupational Education - Lexington, Kentucky
6. Maryland State Plan Conference - Easton, Maryland
7. Local Administrators Annual Meeting - Baltimore, Maryland
8. National Research Coordinating Units Conference - Orlando, Florida
9. Southwide Research Coordinating Council for Occupational Education - Myrtle Beach, South Carolina
10. Citizens Advisory Committee for the Feasibility Study on Career Specialization - Montgomery County, Maryland
11. H/P 3000 International Users Group Conference - Cupertino, California
12. Fostering Inter-Agency Cooperation - College Park, Maryland
13. Mid-Atlantic Educational Leadership Training Session - Evaluation Workshop for Program Managers - Washington, D.C.

MARYLAND

14. National Institute for Education Debriefing on Dissemination Grants - Washington, D.C.
15. Career Education--From Concept to Implementation - Baltimore, Maryland
16. H/P 3000 International Users Group Conference - Baltimore, Maryland (Host)
17. International Society of Educational Planners - Nashville, Tennessee
18. National Management Information Systems Directors Conference - Denver, Colorado
19. Council of Chief State School Officers, Committee on Evaluation and Information Systems, Vocational-Technical Education Task Force - Washington, D.C.

PROJECTS AND ACTIVITIES PLANNED:

1. Development and implementation of an on-line ERIC retrieval system
2. Implementation of a Mini-Grants program
3. Student based follow-up study--1976
4. Implementation of employer-based follow-up study
5. Continuation of all current projects
6. Host 1977 National RCU Conference

MASSACHUSETTS

John P. Manning, Acting State Director of Vocational Education
David Cronin, RCU Director

NO REPORT RECEIVED

MICHIGAN

Addison Hobbs, State Director of Vocational Education
Stanley Rumbaugh, State RCU Director

PROJECTS COMPLETED:

1. Agribusiness & Natural Resources Education in Michigan, Mich. St. Univ.
2. Career Education In-Service for Local Education Agencies, Central Mich. Univ. Eastern Mich. Univ., Ferris State Univ., Univ. of Mich. Western Mich. University

NEW PROJECTS FUNDED:

1. Developing Performance Objectives, Ingham Inter. School District
2. Establish, Operate and Further Development of Individualized Performance Based Curriculum, St. Clair Intern. School District
3. An Analysis of the Relationship Between Expectations and Accomplishments of the Career Education Consortium on Universities, Mich. St. Univ.
4. Implementation of a Delivery System to Provide Competency Based Education Training for Michigan Vocational Teachers, Mich. St. Univ.
5. Development of Performance Based Agriculture Education Curriculum, Mich. St. Univ.
6. Instructional System Curriculum Assistance, Ingham Inter. School District
7. Industrial Arts Performance Objective Project, Central Mich. Univ.
8. A Follow-up Study of the Development and Implementation of an In-Service Program Dealing with the Use of Advisory Councils, Central Mich. Univ.
9. Leadership Training for Career Education Planning District Coordinators and Resource Materials Distribution, Mich. St. Univ.
10. Development and Training of Support Teams for the Proposed Detroit Area Vocational Centers, School District of Detroit

RESEARCH RELATED ACTIVITIES:

1. Development of a request for proposals for a project entitled

MICHIGAN

"A Study to Identify the Research Priorities for Vocational Technical Education in Michigan."

2. Continued development of data collection instruments which are being used to collect information which will improve the long range planning abilities of community colleges.
3. Aid in the establishment of a follow-up study of 58,000 high school vocational and non-vocational education graduates. Complete written report.
4. Monitor a project which validated performance objectives for a variety of vocational education subjects.
5. Provide technical assistance to a variety of constituent groups.
6. Continued development and staged installation of the Vocational Education Information Support System (VEISS), with emphasis on:
 - a. Refinement of the program-course-section component, in-applications to area-wide planning and provision of tailored data to local districts, planning offices, and legislators;
 - b. Installation of nearly complete staff and facility components;
 - c. Preparation for installation of the student component; and,
 - d. Investigation of the feasibility of a trial of an on-line, generalized data base system.

PROJECTS AND ACTIVITIES PLANNED:

1. Continue development of data collection instruments explained in #2 above.
2. Selection of a contractor for the project "A Study to Identify the Research Priorities for Vocational Technical Education in Michigan."
3. Aid in the conduct of another follow-up study of vocational education graduates
4. Provide technical assistance and consultation to members of the Vocational Technical Education Services of the Michigan Department of Education as well as local school district personnel.
5. Continued development of VEISS, to include:

MICHIGAN

- a. Fully installed staff and facility components;
- b. Limited installation of the student component;
- c. Investigation of several respondent-oriented data input techniques;
- d. Trial, if feasible, of an on-line, generalized data base system; and,
- e. Production of one or more handbooks to assist VEISS users.

MINNESOTA

Robert Van Tries, State Director, Vocational Education
Brandon B. Smith, State RCU Director

PROJECTS COMPLETED:

1. Vocational Education Research, University of Minnesota, RCU
2. Secondary-Post Secondary Curriculum Articulation Project, University of Minnesota, RCU
3. Minnesota Vocational Follow-Up System (Post-Secondary), National Computer Systems, Minneapolis
4. Work Plan for Technical Assistance to the Division of Vocational Technical Education, Educational Management Services, Inc., Minneapolis
5. Individualized Performance-Based Curriculum, Minneapolis AVTI, Minneapolis
6. Women in Non-Traditional-Vocational Education, Minnesota Department of Education, St. Paul
7. Rainy River - Koochiching Vocational Board of Education for the Combined School Districts - College Study, Rainy River Community College, International Falls
8. Minnesota Instructional Materials Center, 916 AVTI, White Bear Lake
9. Vocational Education Research, University of Minnesota, RCU
10. Vocational Curriculum Articulation Project, 916 AVTI, White Bear Lake
11. Minnesota Vocational Follow-Up System (Post-Secondary), National Computer Systems, Minneapolis
12. A Procedure for Planning and Evaluating Senior High School Vocational Education Programs, Phase III, Minnesota Department of Education, St. Paul
13. "Plato" (Programmed Logic for Automated Operations), Red Wing
A Red Wing
14. Minnesota Instructional Materials Center, 916 AVTI, White Bear Lake
15. Improvement of Advisory Committee Function, Anoka AVTI, Anoka

MINNESOTA

NEW PROJECTS FUNDED:

1. Conducting a Follow-Up of 1975 High School Leavers in Minnesota, University of Minnesota, RCU
2. A Procedure for Planning and Evaluating Senior High School Vocational Education Programs, Phase III, Minnesota Department of Education, St. Paul
3. Student Placement and Counseling Effort, Phase III, University of Minnesota, RCU
4. Minnesota High School Follow-Up Project (1976), University of Minnesota, RCU

RESEARCH RELATED ACTIVITIES:

1. The development of an occupational information system, a large scale dissemination project, the development of materials for career awareness, placement, curriculum development, and the development of a state plan for career education.

PROJECTS AND ACTIVITIES PLANNED:

1. Major projects and activities planned for the next twelve months include development of funding procedures for the secondary and adult levels, curriculum articulation efforts, manpower projections, the conduct of a statewide needs assessment, follow-up activities at the secondary and post-secondary levels, and emphasis on dissemination and utilization of research results.

MISSISSIPPI

Joe W. Lewis, State Director, Vocational Education
James F. Shill, State RCU Director

PROJECTS COMPLETED:

1. Evaluation of an Urban Career Education Project in the Mississippi Delta, RCU, MSU
2. Evaluation of Louisville, McComb, Winona Career Education Project, RCU, MSU
3. Evaluation of a Career Education Project on Mississippi Gulf Coast, RCU, MSU
4. Louisville, McComb, Winona School Systems Career Education Project, Louisville, Winona & McComb
5. Evaluation of Greenwood Career Education Project, RCU, MSU
6. Vocational Reimbursement Formula Update, RCU, MSU
7. Competency Study of Logging & Forestry Occupations, RCU, MSU
8. Evaluation of Agriculture Exemplary Program, RCU, MSU
9. Agri-Business Exemplary Program, Agriculture Education Department, MSU
10. New Industry Services Projects, RCU, MSU
11. EPDA Fellowship Program, RCU, MSU
12. Industrial Arts EPDA Inservice Project, RCU, MSU
13. Intensive Teaching/Learning Process Project, RCU, MUS
14. Disadvantaged & Handicapped Materials Dissemination Project, RCU, MSU
15. Distributive Education EPDA Inservice Project, RCU, MSU
16. Agriculture Education EPDA Inservice Project, RCU, MSU
17. Evaluation of Winona Career Education Project, RCU, MSU
18. Curriculum Development Projects, RCU, MSU

MISSISSIPPI

NEW PROJECTS FUNDED:

1. Model R & D Information Dissemination Program, RCU, MSU
2. Development & Testing of Criteria for Selection of EMRs for Vocational Programs, RCU, MSU
3. New Industry Services Projects, RCU, MSU
4. Evaluation of V-TECS Catalog Utilization, University of Mississippi
5. Curriculum Development Projects, University of Mississippi
6. Updating Competencies of DE Teachers in Utilizing Lab Equipment and Instructional Materials, RCU, MSU
7. Updating Competencies of Teachers to Improve Instruction in Industrial Arts, RCU, MSU
8. Familiarizing Counselors with Personnel Needs of Business and Industry, RCU, MSU
9. Updating Competency & Knowledge of Agriculture Instructors in Selected Areas of the Agriculture Industry, RCU, MSU

RESEARCH RELATED ACTIVITIES:

1. Assist in implementation and development of career education in the state.
2. Development of performance objectives catalogs for V-TECS
3. Development of statewide system for determining vocational reimbursement for local programs
4. Evaluation and monitoring of funded research projects in Mississippi
5. Assist State Advisory Council in conducting evaluation of vo-tech education.
6. Assist in development of EPDA Plan
7. Assist in research proposal development for local school systems, junior colleges, and universities

MISSISSIPPI

8. Activities center around ongoing and new projects

PROJECTS AND ACTIVITIES PLANNED:

1. Mississippi Research & Curriculum Unit
2. Evaluation of Northeast Mississippi Career Opportunities Program Vocational-Technical Education Consortium of States (V-TECS)
3. Evaluation of Three-Rivers Career Education Project
4. Vocational Developmental Reading Project
5. Vocational Administrator Competencies Assessment
6. Southeastern Curriculum Coordination Center
7. Industry Services Project

MISSOURI

B.W. Robinson, State Director of Vocational Education
Glenn W. White, State RCU Director

PROJECTS COMPLETED:

1. Prevocational Skills for Educable Mentally Retarded Students, Kansas City School District
2. Missouri Vital Information for Education and Work - Missouri Occupational Training Information System, Hazelwood Schools
3. A Pilot Program to Develop a State Model of Leadership Development for State and District Officers and Advisors of Vocational Youth Organizations in Missouri, University of Missouri - Columbia
4. Conceptual Model of an Individualized Diagnostic Remedial Computational Skills Program for Students in Selected Vocational Classes, Kansas City School District
5. Audiovisual Aids as a Means of Recruiting and Retaining High School Seniors in Occupational Programs, Three Rivers Community College
6. A Career Awareness Model Incorporating Constructional Activities in Grades K-6, University of Missouri - Columbia
7. The Career Planning Function of Selected Practical Arts Programs in Southwest Missouri, Southwest Missouri State University
8. An Analysis of Factors Influencing Costs of Delivering Vocational-Technical Programs Among Missouri Junior Colleges, Southwest Missouri State University
9. A Competency-Based, Criterion Referenced Instructional Model for Careers in Agricultural Mechanization, University of Missouri - Columbia
10. Preparation and Testing of Career Educational Modules for Teacher and Counselor Education, University of Missouri - Columbia
11. A Pilot Program to Identify the Competencies, Development of Objectives, and Determination of Problems Included in Agricultural Curricula Being Offered by Post-Secondary Institutions of Missouri, State Fair Community College
12. Missouri Vital Information for Education and Work - Missouri

MISSOURI

- Occupational Training Information System (MOVIEW-MOTIS), Hazelwood School District
13. Short-Term Specialized In-Service Office Occupations Training Project, State Fair Community College
 14. School/Community Career Research Project, Ferguson Reorganized School District
 15. A Pilot Study on the Feasibility of Competency Testing of Trade Teachers in the State of Missouri, University of Missouri - Columbia
 16. Women and Career Options: A Research Project to Facilitate Upward Mobility for Women, Central Missouri State University
 17. Development of Curriculum Guide Material for an Industrial Arts Course in Home Maintenance and Repair, Southwest Missouri State University
 18. Development and Dissemination of a Farm Record and Analysis System, University of Missouri - Columbia
 19. The Effectiveness of a Combined Vocational Youth Organization Leadership Conference, University of Missouri - Columbia
 20. A Proposal for the Revision of the Mediated and Individualized Soils Course, State Fair Community College
 21. Entry-Level Competencies in Clothing Related Careers Needed by Graduates of Secondary Occupational Programs and Area Vocational Schools in Missouri, Southwest Missouri State University
 22. Parent and Teacher Attitudes Toward Career Education, University of Missouri - St. Louis
 23. Follow-Up of University of Missouri - Columbia Business Education Program Entrants and Graduates from September 1, 1964, through June 30, 1974, University of Missouri - Columbia
 24. A Comparative Cost-Benefit Study of Secondary One Year and Two Year Distributive Education Programs in Missouri, University of Missouri - Columbia
 25. A Program to Obtain Industrial Input in Program Development, Linn Technical College
 26. Interaction Analysis in the Simulated Teaching Situation Vs.

MISSOURI

the Student Teaching Situation, University of Missouri - Columbia

27. Development of a Bibliography of Curriculum Materials and Equipment Suppliers for Distributive Education, University of Missouri - Columbia
28. The Development of a Multiple Use Evaluative Instrument for Assessing the Quality of Child Care Centers Serving as Laboratories for Vocational Programs, Florissant Valley Community College
29. A Universe Sampling of Missouri Commercial and Purebred Pork Producers to Determine Hiring Receptivity of Trained Swine Technicians from a Post-Secondary Intensive Co-op Training Program, Willow Springs R-IV
30. The Demand for and Job Opportunities of Graduates of a Two-Year Curriculum in Occupational Safety Technology in the Metropolitan St. Louis Area, Florissant Valley Community College
31. Fit and Flattery for the Over Fifties: Dress Pattern Alterations Related to Physical Characteristics of Older Women, University of Missouri - Columbia
32. Operation Guidance Career Development Unit Workshop, Rock Bridge Senior High School
33. Identify Those Students Who Need a Modified Educational Program With Vocational Goals, Hazelwood School District
34. Needs and Attitudes of Selected Businesses in Respect to Vocational Education, Ridgeway R-V Schools
35. Community Survey, Special School District of St. Louis County
36. A Proposal for a Feasibility Study for the Addition of a Horticulture Therapy Option to the Horticulture Career Program, Meramac Community College

NEW PROJECTS FUNDED:

1. DEDEX - A Systematic and Comprehensive Filing System for Distributive Education, University of Missouri, - Columbia
2. Preparation and Testing of Career Education Modules for Teacher and Counselor Education, University of Missouri, - Columbia
3. Leadership Role of the Local Directors Association in the Total Vocational Program, Pike R-III Schools

MISSOURI

4. Development and Application of an Evaluation Model for Use with Individual Instructional Programs in Vocational-Technical Education, State Fair Community College
5. Development of a Performance Based Model to Evaluate Competencies in Analysis Techniques, Selection and Organization of Subject Matter and Teaching Methodology for Industrial Subjects, University of Missouri - Columbia
6. Competency Identification for Mid-Management Personnel - An Aid to Program Evaluation and Individualized Instruction, Northeast Missouri State University
7. A Study of the Effectiveness of Mobile Teaching Education Units as Related to the Development and Implementation of a Model Consumer Education Mobile Unit, Florissant Valley Community College
8. The Development of Missouri Facilities Guide For Program Planning and Evaluation in Agricultural Education, University of Missouri, - Columbia
9. Computer Application to a Job Placement Service, State Fair Community College
10. Printing of Career Education Modules for Teacher and Counselor Education, University of Missouri, - Columbia
11. Field Validation of the Career Education Curriculum Project Modules: Phase I - K-6 Curriculum, University of Missouri - Columbia
12. A Proposal for the Revision of the Mediated and Individualized Soils Course, State Fair Community College
13. The Effectiveness of a Home Maintenance and Repair Curriculum Guide in the Teaching of Career Concepts in the Secondary Schools of Missouri, Southwest Missouri State University
14. Identifying Those Students Who Need a Modified Educational Program with Vocational Goals, Hazelwood School District
15. Needs and Attitudes of Selected Businesses in Respect to Vocational Education, Ridgeway R-V Schools
16. Adaptation and Utilization of Individualized Materials in Basic Accounting Courses as a Complement to On-Going Accounting Courses, State Fair Community College

MISSOURI

17. Utilization of Computer Generated Problems in Basic Accounting Courses, State Fair Community College
18. Community Survey, Special School District of St. Louis County
19. Evaluation Hotel-Restaurant Graduates, Forest Park Community College
20. Staff Development: Occupational & Career Programs, Forest Park Community College
21. Volunteer Corps in Career Areas, Forest Park Community College
22. A Model Plan for Effective Articulation Among High School and Post-Secondary Institutions Offering Vocational Programs, Florissant Valley Community College
23. The Development of Handbooks on the Student Teaching Practicum for a Vocational Program in Child Care Service, Florissant Valley Community College
24. Development of a Work-Study Lab to Facilitate Open Entry and Open Exit in the Graphics Department of the Engineering Division at Florissant Valley Community College, Florissant Valley Community College
25. A Proposal for a Feasibility Study for the Addition of a Horticulture Therapy Option to the Horticulture Career Program, Meramec Community College
26. A Proposal for the Redesign of an Existing Course in the Environmental Technology Career Program to Provide an Additional Marketable Skill, Meramec Community College
27. An Investigation of the Relationship Between Self-Concept, Clothing Attitudes and Practices of Physically Handicapped and Normal University Men and Women, University of Missouri - Columbia
28. Work Attitudes and Occupational Aspirations of Missouri High School Home Economics Students, University of Missouri - Columbia

RESEARCH RELATED ACTIVITIES:

1. Conducted information retrieval and dissemination activities including a total of 2,281 searches resulting in the distribution of 3,554 microfiche.
2. Provided consultative assistance in carrying out project proposals.

MISSOURI

3. Conducted eight MOTIS orientation workshops at various locations across the state.
4. Distributed and reported on the 120-day follow-up study of vocational technical students completing occupational training programs within the state.
5. Collected enrollments and completion reports from all reimbursable vocational programs in Missouri.
6. Coordinated the MOTIS activities with the two contracted agencies of the University of Missouri. These are the Statewide Testing Service and the Public Affairs Information Service (PAIS).
7. Developed various computer programs for the dissemination of MOTIS materials to meet various requests both in the vocational-technical division and in the local education agencies.
8. Coordinated, distributed, and collected the SAC-1's and SAC-CS's with approximately 450 school districts, state institutions, junior colleges, colleges, and universities.
9. Assisted local school districts with special problems concerning the MOTIS project.
10. Solicited Level I and Level II research projects on a Statewide basis.
11. Appointed and met with a committee of consultants to review, analyze, and rate research proposals submitted to the Research Coordinating Unit for possible funding this fiscal year.
12. Planned and conducted an orientation workshop for all school districts and potential evaluators participating in the on-site evaluations scheduled for the 1976-77 school year.
13. Revised, printed, and distributed to all school districts scheduled for on-site evaluations the publications entitled, "School Guide for Evaluation of Vocational Programs in Community Junior Colleges and Area Vocational Schools", and "Survey Instrument for n-Site Evaluations".

PROJECTS AND ACTIVITIES PLANNED:

1. Continued activities in information retrieval and dissemination.
2. Monitor approved research projects.

MISSOURI

3. Continued development of materials, methods, and procedures for for the Demand Component, Student Accounting Component, Resource Inventory Component, and Manpower Supply Component.
4. Review and rate research proposals.

MONTANA

Gordon Warner, State Director of Vocational Education
Albert R. Wright, State RCU Director

PROJECTS COMPLETED:

1. Development of a State Agency Vocational Education Planning and Decision-Making System, Office of the Superintendent of Public Instruction, Helena
2. Pilot Test of an Evaluation System for Vocational Education Programs, Office of the Superintendent of Public Instruction, Helena
3. Pilot Test of a Follow-up of Vocational Program Exits in Montana, Office of the Superintendent of Public Instruction, Helena
4. Agricultural Manpower Research, Montana State University, Bozeman

NEW PROJECTS FUNDED:

1. Development of an Occupational Information System, Montana Employment Securities Division, Helena

RESEARCH RELATED ACTIVITIES:

1. Provided information for state and federal reports

PROJECTS AND ACTIVITIES PLANNED:

1. Continue developmental activities for: (a) Secondary follow-up, (b) Postsecondary evaluation and accreditation, (c) State and regional job market projections
2. Continue operation of completed portions of the Management Information System
3. Continue development of additional portions of the Management Information System

NEBRASKA

Glen H. Strain, State Director of Vocational Education
Elton B. Mendenhall, RCU Director

PROJECTS COMPLETED:

None Reported

NEW PROJECTS FUNDED:

1. Occupational Opportunities in Nebraska, 1977 Report, University of Nebraska, Lincoln
2. Applied Physics Personalized, Southeast Tech. Community College, Milford Campus
3. A Follow-up Study of Adult Vocational Students in the Southeast Community College Area and Justification for Reimbursement of Vocational Funds, Southeast Tech. Community College, Fairbury Campus
4. A Study to Determine the Purposes of the Teaching Competencies Through Occupational Experience for Distributive and Business Education Teachers, University of Nebraska, Lincoln

RESEARCH RELATED ACTIVITIES:

1. Assisted in development, review and monitoring of exemplary proposals and projects (six new projects)
2. Reviewed research proposals recommending six for approval by the State Board for Vocational Education
3. Continued Nebraska Vocational Information System (NVIS), Part C Commissioner's Discretionary project
4. Finalized procedures for field test of data instruments for vocational student, teacher, and program collection
5. Inserviced vocational teachers in the use of data instruments in five pilot school sites
6. Began student enrollment in pilot schools during August 1976
7. Designed cooperative arrangements for computer processing of NVIS enrollment data with Educational Service Unit #3

NEBRASKA

8. RCU staff developed proposals that were funded for: (a) Personnel Development for Entrepreneurs - Part C, USOE (b) Nebraska Career Information System - Part D, Nebraska Department of Education
9. Completed annual survey of vocational education personnel to determine state priorities for vocational research
10. RCU staff conducted a proposal writing workshop at the Annual Nebraska Vocational Association Conference in Kearney
11. The RCU completed its first year of the Management By Objectives process in cooperation with the Division of Vocational Education, Nebraska Department of Education
12. RCU staff conducted guest lectures for 7 graduate classes involving some 102 students
13. During this reporting period 151 persons visited the RCU office requesting services
14. During this reporting period 173 pieces of material were checked out of the RCU Learning Resource Center and 2,488 documents were mailed and distributed to vocational education personnel

PROJECTS AND ACTIVITIES PLANNED:

1. Priority determination for FY 1977.
2. Review of research and exemplary projects
3. Monitoring of ongoing projects in research and exemplary categories
4. Completion of Nebraska Vocational Information System Project and preparation of final reports and recommendations
5. Completion of statewide matrix for conversion of Department of Labor Manpower Projections to vocational programming needs
6. Preparation of Career Information packages for use by 100 Public schools
7. Preparation of curriculum structure for Personnel Development for Entrepreneurs project

NEVADA

R. Courtney Riley, State Director of Vocational Education
Len L. Trout, RCU Director

PROJECT COMPLETED:

NONE REPORTED

NEW PROJECTS FUNDED:

NONE REPORTED

RESEARCH RELATED ACTIVITIES:

1. The RCU provided support to the Office of Accountability Consultant Study relating to attitudes of State Department of Education personnel and Vocational Rehabilitation personnel regarding programmatic needs and expectations. These services consisted of keypunching, programing and data processing
2. The RCU staff met on demand with the State Director for Vocational Education, the Office of Accountability Consultants, and other members of the State Department of Education. Staff also regularly attended the meetings of the State Advisory Council for Vocational Education. Specific requests for meetings with the State Board for Vocational Education and with local school district Boards of Trustees were honored by staff

PROJECTS AND ACTIVITIES PLANNED:

1. Catalogue, Organize and shelve the vocational materials, reports, and publications received from other RCU's
2. Disseminate a working catalogue of materials available from the RCU Vocational Resource Center
3. Systematically collect statistical data from State and governmental agencies that would be useful for vocational educational research
4. Increase the educational facilities planning collection in anticipation of the updating of vocational education facilities
5. Acquire relevant materials generated by the State Department of Education and disseminate information about the availability of these materials to clientele
6. Publish and distribute Volume 11, eight issues of 1,500 copies each, of the RCU Report during the coming school year, with the

NEVADA

initial issue available for distribution at the State Vocational Education Workshop at Las Vegas

7. Monitor vocational education programs and special projects as directed by the State Director
8. Conduct information searches or requests for the State Department of Education, local districts, vocational teachers, interns, community college and university vocational educators, and such others as approved by the State Director
9. The RCU will provide research and support services relating to research, program development, monitoring, consulting, and such others as within the scope of the RCU objectives and approved by the State Director
10. Research the possibility of developing a program of mini-grants to Nevada's educators to develop, test and report unique or innovative vocational education programs, techniques, materials or procedures that would enhance vocational education

NEW HAMPSHIRE

Neal D. Andrew, State Director of Vocational Education
Lila Murphy, State RCU Director

PROJECTS COMPLETED:

1. Program for Dropouts, Salem High School
2. Curriculum Development Coordination for New Hampshire Secondary Vocational Education, Keene State College
3. Concord Career Education Project - Implementing Computer Guidance and Resource Center Component, Concord School District
4. A Career Education Program for Somersworth Schools and Dissemination of Material from Program, Somersworth School District
5. Phase II Needs Assessment Project, Keene State College
6. Developing, Field-Testing and Implementing a Vocational Electronics Skills Training Curricula, Nashua School Department

NEW PROJECTS FUNDED:

1. A Study of the Effectiveness of Vocational Education at Berlin Area Center, Berlin School Dept.
2. A Follow-Up Study of Graduates in Region #8, Laconia School District
3. A Study of Drop-Outs, Lebanon School District
4. Industrial Vocabulary Kits for Disadvantaged Adults, Rochester School Dept.
5. Evaluation of Concord Career Education Program, Concord School District
6. Discriminatory Factors of Social Adjustment for Transitional University of N.H. Students
7. Development of a Proposal for Individualized Curriculum (For a Commissioner's Part C Grant), Keene State College
8. Dissemination of Somersworth Career Education Program through In-Service Activities, Somersworth, Seacoast Education Services
9. An Agricultural Work-Study Career Education Program for Disadvantaged Urban Youth (1st year), University of N.H.

NEW HAMPSHIRE

10. Dissemination of Materials Developed by Career Education Project, North Country Education Services
11. Development of an Occupational Education Resource Center, University of N.H.
12. New Hampshire Model for Vocational Guidance, Counseling, Placement and Follow-Up Services, Keene State College
13. Work-Study Experience for Selected Students in the Field of Health Occupations, Lin-Wood School District
14. Individualized Instructional Program in Power Mechanics, Plymouth School District
15. Development of Solar Energy Units for Incorporation in a Building Trades Program, Somersworth School District
16. Microbiology Modules for Vocational Education Programs, NHVTC - Berlin
17. Career Education Program for Four North Country Districts, North Country Educ. Services
18. An Agricultural Work-Study Career Education Program for Disadvantaged Urban Youth (2nd year), University of N.H.
19. A Model for Linking a Vocational Area, Concord School District
20. Preparation for Solar/Wind Building Construction Project, Con-Val School District Peterboro
21. Vocational Diffusion Assistance Project, N.H. Educational Facilitator Center-Concord
22. Employer Evaluation Practices and the Impact on Vocational Programs, Keene State College Vocational Programs
23. Human Relations and Work Skills as Related to the World of Work (Building Construction Program) Exeter School District
24. Operation Information, Newmarket School Dist.
25. A Model for Effective Enrollment of Students in Vocational Centers, Monadnock Regional Sch. Dist.
26. Vocational Radio Station, White Mountains Reg.

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27. Occupational Information and Guidance for Disadvantaged and Handicapped Vocational Students, Seacoast Educ. Services Somersworth
28. Solar Energy Education Kits, NHVTC-Manchester
29. Alternative Approaches to Individualization in Vocational Education, Keene State College

RESEARCH RELATED ACTIVITIES:

1. Received Part C Discretionary Funds and implemented a Management Information System which included (1) establishment of a reliable computerized data base, (2) design of a program evaluation model, and (3) establishment of resource center.
2. Completed activities involved with development of Department Goals for Vocational Education.
3. Completed required Federal reports and State Plan.
4. Designed numerous techniques and activities to disseminate information on projects and programs.
5. Developed strategies for assisting local districts in absorbing major Federal projects.
6. Helped develop proposal for Part C Discretionary Funds for a major curriculum project (received grant), and a Career Education project (received grant).
7. Prepared a Vocational Education Handbook for state and local personnel which contains information and material relative to vocational education activities in the state.

PROJECTS AND ACTIVITIES PLANNED:

1. Provide inservice training in area of need for project directors.
2. Assess the needs of secondary and post-secondary directors as the basis for planning future goals of the Research Coordinating Unit.
3. Test the program evaluation model, train evaluators and design instruments.
4. Expand data collection to include cost and follow-up data. Provide feedback to local administrators and others concerned with vocational planning through area meetings.

NEW HAMPSHIRE

5. Produce several brochures for the legislature on vocational education needs in the state.

NEW JERSEY

William Wenzel, State Director of Vocational Education
Joseph F. Kelly, State RCU Directors

PROJECTS COMPLETED:

1. Fire Fighting, Burlington Co. AVTS
2. Technology for Children Study, Mansfield Township
3. Management Training Program, Essex Co. Voc. School
4. IACP, Trenton State College
5. Occupational Resource Center, Edison Township
6. Model for Cost Study, Rutgers University
7. Children's Orientation to Work, Rutgers University
8. Career Maturity Among 8th Grade, Disadvantaged Students, Lakewood
9. Effectiveness of Video Tape Instruction, Keane College
10. Basic Career Competency Program, Margate School District
11. Vocational Interest and Maturity Study, Stockton State College
12. Cooperative Curriculum Research in Vocational Education, Vineland School District
13. Model Office Simulation, West Deptford AVTS
14. Curriculum Research, Hudson Co. AVTS
15. Astronomy Career Course Development, No. Hunterdon Reg.
16. Leadership Behavior of the County Career Education Coordinator, Mercer Co. AVTS
17. Values and Attitudes of New Jersey DECA Students, Rider College
18. Curriculum Laboratory Project Dev., Rutgers University
19. Vocational Curriculum Laboratory, Rutgers University
20. Career Development Evaluation, Asbury Park

NEW JERSEY

21. Pilot Program for Women, Passaic Co. AVTS
22. Community Education Planning Model, Bridgewater-Raritan
23. Career Development, Elizabeth
24. Arboriculture Study, Belvidere
25. Women in Vocations, COED
26. Research on Post-Secondary Education, NJ Dept. of Higher Education
27. Career Awareness in Females, Mercer County AVTS
28. Occupational Awareness Int. and Jr., Trenton State
29. Occupational Resource Center, Edison Twp. Bd. of Ed.
30. Midmanagement Training Needs Retail, Middlesex Co. Colleges
31. Model for Cost per Pupil for Voc. Ed. Programs (Phase Two), Rutgers University
32. Management Information Service, Asbury Park Bd. of Ed.
33. Career Ladder Planning, Ocean Co. AVTS
34. County Pilot Job Placement, Salem Co. AVTS
35. Career Development Survey, Stockton State
36. Study of Selected Occup. Prog., Burlington Co. Voc.
37. Prog. Dev. & Curr. Instr., Hudson Co. Voc.
38. Occup. Awareness, Col. Ext. Exam Bd.
39. NJ Occupational Display, Trenton State College
40. Occup. Resource Center, Edison Twp. Bd. of Ed.
41. Curriculum Dev. & Diffusion, Rutgers
42. Management Information Systems, Asbury Park Bd. of Ed.
43. Occup. Elec. Study, Ocean Co. Voc.
44. NS - Agriculture, Atlantic Co. Com. Coll.

NEW JERSEY

45. Articulation Project, Essex Co. Voc./Tech.
46. Career Decision Process, Edison Township
47. Career Development Articulation, Middlesex Co. Coll.
48. Career Resource Center, South Amboy
49. Career Development, South Brunswick
50. Career Development Study, Middletown Twp.
51. Career Development, Middletown Twp.
52. Articulation Project, Ocean Co. Voc./Tech.
53. Articulation Project, Warren Co. Voc./Tech.
54. Articulation Planning, Atlantic Co, AVTS
55. Technology for Children, Hopewell Township
56. Technology for Children Program, Montclair Bd. of Ed.
57. Articulation Planning, No. Hunterdon Reg.
58. Career Resource Center, South Amboy
59. Multi-Media Articulation Program, Mendham Twp.
60. Career Resource Center, New Providence
61. Career Decisions, Newark Bd. of Education
62. Career Decisions, Orange Bd. of Ed.
63. Career Decisions, No. Bergen Bd. of Ed.
64. Career Planning, Lebanon Twp.
65. Career Planning, Hamilton Twp. Bd. of Ed.
66. Career Development-Articulation, Middlesex Com. College
67. Career Decisions, New Brunswick
68. Career Decision Counseling, Hazlet Bd. of Ed.

NEW JERSEY

69. Career Development, Matawan Regional
70. Career Education 7 and 8, Ocean Twp. Bd. of Ed.
71. Career Education Planning, Parsippany Troy Hills
72. Career Planning, Roxbury Twp. Bd. of Ed.
73. Career Education Planning, Jackson Twp. Bd. of Ed.
74. Ocean Co. Articulation, Ocean Co. AVTS
75. Career Decisions, Passaic Bd. of Ed.
76. Career Decisions, Paterson Bd. of Ed.
77. Career Education 7 and 8, Wayne Bd. of Ed.
78. Career Education Planning, West Milford Bd. of Ed.
79. Career Planning, Bound Brook Bd. of Ed.
80. Career Decision Making, Sussex-Wantage Bd. of Ed.
81. Distributive Education, Hunterdon Cent. Reg.
82. Supv. & Admn. T4C, State Dept. of Ed.
83. Energy Exhibition, Edison Twp.
84. Career Education 7 and 8, Ocean Twp.
85. Career Education 7 and 8, Wayne Twp.
86. Community Education Planning Model, Bridgewater-Raritan Regional
87. Career Education Planning, Garfield Bd. of Ed.
88. Career Planning, Burlington Co. AVTS
89. Counseling Decision Model, Camden City Sch. Dist.
90. In-service Decision Making, Hopewell Twp.
91. Career Decisions, Jersey City Bd. of Ed.
92. Career Counseling & Placement, Garden State Sch. Dist. (Ewing Res. Center)

NEW JERSEY

93. Career Guidance, Asbury Park Bd. of Ed.

94. Career Resource Center, New Providence Bd. of Ed.

NEW PROJECTS FUNDED:

None Reported

RESEARCH RELATED ACTIVITIES:

1. Prepared Special Paper
 - a. 1900 Doctoral Dissertations on Career Education
 - b. Making the Most of Your Advisory Committee
 - c. A Career Fair for Your School or District
 - d. Career Related Multi-Media Resources Available for loan from the New Jersey Occupational Resource Center
2. Conducted Workshops on Career Education
 - a. Major Sources of Information on Careers
 - b. Major Sources of Information on Home Economics Careers
 - c. Integration of Career Education via Introduction to Vocations, Grades 7,8,9
 - d. Assessment Techniques in Career Development
 - e. Career Education Material for the Disadvantaged
 - f. Major Sources of Information on Business Careers
 - g. Bilingual Material for Career Education
 - h. Major Sources of Information on Industrial Arts Related Careers
 - i. Career Education Material for the Handicapped
 - j. How to Set Up a Career Resource Center
3. Conducted Workshops on Vocational/Technical Education
 - a. The Metric System
 - b. Publishing Activity Centers
 - c. Women in the Work of Work
 - d. Unique Aspects of Teaching Adults
 - e. Educational Games/Simulations
 - f. Computerize Guidance Systems
 - g. Creative Media Production
 - h. Introduction to ERIC
 - i. Curriculum Development: Process, Problems and Promise
4. Conducted Bicentennial Workshops
 - a. Introduction to Sites for Student Tours Related to Historic Occupations
 - b. Hands-On Activities for the Bicentennial Which Assist in Career Development

NEW JERSEY

5. Coordinated Activities of the Northeast Regional Curriculum Network
 - a. Conducted three Network meetings.
 - b. Published three Network Newsletters.
 - c. Attended four National Network Council Meetings
 - d. Published three in-state newsletters.
 - e. Published two microfiche Directories.
 - f. Conducted and published results of national survey on intra-state networks.
6. Developed and Published Curriculum
 - a. 63 Curriculum products.
 - b. Conducted six 4-week curriculum development workshops

PROJECTS AND ACTIVITIES PLANNED:

1. Continue operation of the occupational resource centers.
2. Continue conferences and workshops in information dissemination and curriculum development and diffusion.
3. Continue Northeast Network curriculum coordination and national council activities.
4. Continue support of the New Jersey Model for Career Development.
5. Continue and extend articulation between vocational/technical schools and sending districts.
6. Plan, initiate and support research, evaluation, curriculum development, information dissemination and other innovative activities.

NEW MEXICO

Wilma Ludwig, State Director of Vocational Education
Robert A. Labodda, State RCU Director

PROJECTS COMPLETED:

1. Mid-America Vocational Curriculum Consortium, Oklahoma State University; State Department of Education, Stillwater-Santa Fe
2. Curriculum Development (three vocational guides), State Department of Education
3. Industrial Arts/Career Education Guide, State Department of Education
4. PENCEP (Penasco Careers Education Process), Penasco Independent Schools
5. New Mexico Population: Projections and Labor Market Impact, Bureau of Business Research, Albuquerque
6. Student Career Manuals, State Department of Education

NEW PROJECTS FUNDED:

1. Vocational-Technical Information System, State Department of Education, Santa Fe
2. Century 21 Shorthand vs. Gregg Shorthand, New Mexico State University, Las Cruces
3. Innovative Information and Awareness Presentations, State Advisory Council, Albuquerque
4. Cooperative Education at Post-Secondary Level, Eastern New Mexico University, Portales
5. Post-Secondary Guide for Business and Office Occupations, Eastern New Mexico University, Portales
6. Data Processing Update for Vocational Business Teachers, University of New Mexico, Albuquerque
7. Vocational Teacher Exchange Project, Eastern New Mexico University, Portales
8. Vocational Instruction Delivery System, University of New Mexico, Albuquerque

NEW MEXICO

RESEARCH RELATED ACTIVITIES:

1. Hosted Western Regional Research Coordinating Unit Conference
2. Attended Sixth Annual Vocational Teachers' Conference, Portales
3. Wrote and published Final Report to Advisory Committees (1974-75)
4. Submitted final reports on EPDA, Part F, Projects
5. Submitted abstracts and initial data on 1975-76 EPDA projects
6. Published pamphlet on New Mexico's EPDA, Section 552, fellowship awardees
7. Began work on V-TIS Part C project by hiring programmer/systems Analyst
8. Requested proposals for Parts C and D
9. Held workshop on Part J, Bilingual Vocational Training
10. Wrote Annual Report for Vocational Training
11. Began comprehensive compilation of post-secondary vocational data
12. Continued vocational education publicity effort in local magazines and newspapers
13. Published a series of manpower and occupational guides for selected state areas
14. Continued manpower reports to program managers; maintained cooperative arrangement with Employment Security Commission; supplied SDE with Federal Register information
15. Reorganized and rewrote State Plan for Vocational-Technical Education 1976-77
16. Wrote, coordinated, and acted as clearinghouse for EPDA, Part F, Proposals
17. Planned and attended Seventh Annual Vocational Teachers' Conference in Las Cruces
18. Submitted Quarterly Research Activity Reports to Region VI and Washington, D.C.

NEW MEXICO

19. Assisted local education agencies in proposal writing
20. Coordinated state's Bilingual Vocational Training proposals under Part J
21. Conducted student-based follow-up of secondary students; conducted teacher-based follow-up of same group
22. Conducted student-based follow-up of post-secondary students, and employer survey of same group
23. Reorganized, rewrote, and published Annual Report for Vocational-Technical Education, 1975-76
24. Developed needs assessment system for post-secondary schools;
25. Attended National Research Coordinating Units' Conference
26. Represented New Mexico at Indian Education Conference in Washington State
27. Monitored start-up procedures for Fiscal Year 1977 Part D projects
28. Attended High-Impact Planners' meeting on Governor's manpower pool identifying common clients of several state agencies

PROJECTS AND ACTIVITIES PLANNED:

1. Write and publish State Plan for Vocational-Technical Education for Fiscal Year 1978 according to guidelines set for new legislation
2. Attend state meeting on new legislation, early December, 1978
3. Request proposals for research, exemplary and innovative programs, and curriculum development and professional personnel development
4. Initiate and execute secondary student follow-up
5. Continue Part C project on Vocational-Technical Information System
6. Initiate and execute post-secondary follow-up

NEW MEXICO

7. Initiate statewide post-secondary placement system
8. Attend National Conference of Research Coordinating Units, and attend Western Regional RCU Conference
9. Attend National EPDA Coordinators' Conference in February, 1977
10. Implement Part D project on experience-based career education
11. Serve on Advisory Committee for Energy-Related Occupations
12. Serve on Advisory Committee for Curriculum Strategies Project (Part D)
13. Arrange and conduct workshops on proposal-writing
14. Hold hearings on State Plan
15. Continue cooperative arrangement with Employment Security Commission and other manpower groups
16. Write and publish Annual Report for Vocational-Technical Education, 1976-77
17. Attend Eighth Annual Vocational Teachers' Conference, August, 1977, New Mexico State University, Las Cruces

NEW YORK

Robert S. Seckendorf, State Director of Vocational Education
Alan G. Robertson, RCU Director

PROJECT COMPLETED:

None Reported

NEW PROJECTS FUNDED:

None Reported

RESEARCH RELATED ACTIVITIES:

Staff members provided consultative services to the following institutions, organizations and State Agencies;

1. New York City Board of Education, Industrial Arts Staff
2. Institute for Research and Development in Occupational Education, City University of New York
3. Roosevelt Union Free School District
4. SUNY at Albany, Education Research Center
5. Albany City Schools Board of Education
6. Saratoga BICES
7. Columbia University, Institute of Urban and Minority Education
8. Institute for Research and Development in Occupational Education, Cornell University
9. Alfred University
10. Syracuse Regional Career Education Workshop
11. New Jersey State Department of Education
12. New York City Industrial Arts Publishing Center
13. Marymount College
14. Syracuse Drug Rehabilitation Center

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15. American Educational Research Association
16. Warren, Washington, Hamilton, Essex BOCES
17. Monroe Community College
18. Department of Corrections
19. Education Department, Bureau of Inservice Education
20. Education Department, Bureau of Mass Communications
21. Education Department, Division of Higher Education
22. Education Department, Division of General Education
23. Education Department, Office of Occupational and Continuing Education
24. Department of Mental Hygiene
25. Completed first draft of cost-benefit analysis system for use by postsecondary cooperative education institutions
26. Collected data and developed regression analysis models for technical report on the effect of Industrial Arts Publishing Activities Center on New York City reading achievement
27. Completed "Mobility Study of Industrial Arts Teacher Education Graduates" study
28. Planned and conducted survey of business criteria for entry-level office employees
29. Completed first draft of self-assessment system for EPDA Leadership Development
30. Completed draft of proposal, development of criteria for use and usability of evaluative information in program planning in 47 New York State LEA's
31. Planned evaluation and completed survey forms for Industry Education Coordination Project
32. Completed first draft of a paper on data processing procedures and planning

NEW YORK

33. Completed first draft of a paper, "What Research Can Do for the Classroom Teacher."
34. Survey developed, research conducted, and final report drafted of Licensed Practical Nurse study
35. Participated in SED Advisory Committee on Metrics
36. Prepared proposal to meet State Plan objectives on articulation
37. Planned modular program development for non-traditional employment opportunities for women
38. Maintained liaison with SED Bureau of Guidance to research implementation of new plan
39. Participated in resubmission of Regents' Position Paper on Values
40. Investigated possible research cooperation between Bureau of Occupational Education Curriculum Development and Bureau of Occupational Education Research
41. Planned model and package, and evaluated 30 VEA teacher inservice workshops
42. Completed draft of "Guidelines for the Evaluation of Continuing Education Projects in New York State."

PROJECTS AND ACTIVITIES PLANNED:

1. Career Education validation
2. Distributive Education survey
3. Plans for Adult Consumer Education Conference
4. Cost-Benefit Analysis System for Postsecondary Cooperative Education Programs to be completed
5. Self-Assessment System for EPDA Leadership Development Program to be completed
6. Cost-Benefit Study of Cooperative Education at Marymount to be completed

NEW YORK

7. Evaluation of Industry Education projects to be completed
8. Completed data analysis of business criteria for entry level office employees
9. Complete data analysis of Effects of Industrial Arts Publishing Activities Center on Reading Achievement Subtest Scores
10. Complete proposal and initiate data collection for the Development of Criteria for Use and Usability of Information Used in Planning for Federally Funded VEA Programs in 47 Local Educational Agencies
11. Participate in the validation of New York State Consortium for Career Education
12. Department of Corrections curriculum study

NORTH CAROLINA

Charles J. Law, Jr., State Director of Vocational Education
Charles H. Rogers, RCU Director

PROJECTS COMPLETED:

1. A Feasibility Study for a Physician's Assistant Program, Pitt Technical Institute, Greenville
2. An Assessment Procedure to Determine the Effectiveness of Individualized Instruction Approaches in Technical Institutes and Community Colleges in North Carolina, University of North Carolina Greensboro
3. The Development and Testing of a Criterion-Referenced Evaluation System for Faculty and Administrators in Technical Institutes/Community Colleges, Carteret Technical Institute, Morehead City
4. The Development of Modular Instructional Materials for Physics for One-Year Vocational Students, Forsyth Technical Institute, Winston Salem
5. Profile of Students in North Carolina Community Colleges and Technical Institutes, North Carolina State University Raleigh
6. The Development of a Suggested Model for Facilitating Occupational Updating of Post Secondary Vocational and Technical Education Teachers, Durham Technical Institute, Durham
7. The Development of a Model Designed to Expand Employment Options and Occupational Education Opportunities for Women in North Carolina (New Pioneers Project), State Department of Education, Raleigh

NEW PROJECTS FUNDED:

1. A Feasibility Study for a Physician's Assistant Program, Pitt Technical Institute, Greenville
2. Preparing Technicians at Technical Institutes and Community Colleges for Assisting in the Teaching of Reading, University of N.C., Greensboro
3. A Consortium for Planning Local Production and Sharing of Instructional Media in Occupational Education, N.C. Department of Community Colleges, Raleigh

NORTH CAROLINA

4. Project PROBE (Putting Resources and Organization Behind Education, High Point City Schools, High Point
5. Status of Vocational Agriculture and the Changing Roles of Teachers of Vocational Agriculture in North Carolina, North Carolina State University, Raleigh

RESEARCH RELATED ACTIVITIES:

1. Conducted the second annual Occupational Education Research Dissemination Conference
2. Initiated three inter-unit research projects (a) A study of the impact of ORU research on occupational education practice in North Carolina, (b) The development of an occupational need assessment model for North Carolina, (c) The developing local plans for occupational education
3. Initiated a plan for research and evaluation training for local director of occupational education in public school and community colleges
4. A staff member served as Secretary-Treasurer of the National RCU Conference
5. A staff member served on a USOE Committee to react to national research priorities for 131(a)
6. A staff member served as chairperson of the Southwide Research Coordinating Council for Occupational Education
7. Two members of the staff participated in North Carolina Week at the USOE in Washington
8. The ORU actively participated in DHEW's program audit of Vocational Education in North Carolina
9. The ORU staff developed and used a research activity planning model in FY 1976 and have revised the model for its FY 1976 activities

PROJECTS AND ACTIVITIES PLANNED:

1. The Unit plans to fund a major regional consortium to provide alternative delivery systems for occupational education

NORTH CAROLINA

2. The Unit plans to fund a study to determine how public school students' opportunities to enroll in occupational classes are affected by (a) school size, (b) urban or rural location of the school, and (c) administrative or policies that constitute barriers
3. The Unit plans to assist the Division of Occupational Education in revising its reporting system and installing a system of student follow-up
4. The Unit will seek State Board approval for the implementation of a Statewide R & D Conference highlighting outstanding R & D Projects in North Carolina and selected Southeastern United States efforts
5. The Unit plans to participate in the funding of the "Rural Renaissance Project" which is designed to enable the educational community to extend learning opportunities to a larger proportion of the rural population by providing educational opportunities at the location and times convenient to the learners. The ORU will participate in the development of 42 thirty minute, multi-media occupational education curriculum modules.
6. The Unit plans to provide funds and assist with the development and conduct of a third-party evaluation of "The Extended School Day" programs in occupational education

NORTH DAKOTA

Carrol E. Burchinal, State Director of Vocational Education
Don Eshelby, State RCU Director

PROJECTS COMPLETED:

1. Multi-Sensory Individualized Study Packets (Phase II), North Dakota State School of Science
2. A Study to Develop a North Dakota Agri-Business Course of Study, Watford Public Schools
3. Snowmobile Service and Repair and Servicing Audio-Visual Development, North Dakota State Industrial School
4. A Mini Grant to Complete an Audio-Visual Learning Activity Packages for Agri-Business at Post-Secondary Level, NDSU-Bottineau Branch
5. An Animal Tele-Lecture Series, Beulah Public Schools
6. Sex Role Perceptions of North Dakota Vocational Educators, North Dakota State University
7. A Study to Determine the Feasibility of Restructuring Some Occupational Courses at Secondary and Post-Secondary Levels, Lake Area Vocational Center
8. Mission Possible - Continuation of FASWEP, Fargo Public Schools
9. A Proposal to Develop Instructional Materials for Industrial Arts Education Program in North Dakota Schools, University of North Dakota
10. A Model Distributive Education Competency Based Learning Laboratory, University of North Dakota
11. A Business-Industry Visitation Program for Selected Secondary Instructors, Fargo Public Schools
12. Work Experience and Career Exploration Program, Fargo Public Schools
13. A Project to Accommodate the Non-Hearing Students in the Vocational Program Offering (Phase I), Devils Lake Public Schools
14. Sheyenne Valley In-Service Project for Vocational Instructors of Special Needs Students, Sheyenne Valley Vocational Center

NORTH DAKOTA

15. Home Exonomics Workshop for Instructors with Handicapped Students
16. Mobile Welding Laboratory, North Dakota State School of Science
17. Follow the Yellow Brick Road - Information Unlimited, Medical Center Rehabilitation Hospital - Grand Forks
18. Student Council Proposal for Career Selection, Fargo Public Schools
19. Seminar in Life Career Development System, NDSSS - Wahpeton
20. Agri-Business Careers (ABC Project in Career Education, Grand Forks Public Schools

NEW PROJECTS FUNDED:

1. A Mini Grant to Complete the Audio Visual Learning Activity Packages in Agri-Business at Post-Secondary, North Dakota State University
2. An Animal Tele-Lecture Series, Beulah Public Schools
3. Sex Role Perceptions of North Dakota Vocational Educators, North Dakota State University
4. A Study to Determine the Feasibility of Restructuring Some Occupational Courses at Secondary and Post-Secondary Levels, Lake Area Vocational Center
5. A Model Instrument for Developing a Local Annual Plan, Fargo Public Schools
6. Selected Film Bibliography for Graphic Communications Cluster, Valley City State College
7. A Home Economics Workshop for Instructors with Handicapped Students, University of North Dakota
8. Follow the Yellow Brick Road - Information Unlimited, Medical Center Rehabilitation Hospital, Grand Forks
9. The Power Energy Systems Technolgox Program, Bismarck Junior College
10. Personal, Home, and Family Education Program, West Fargo Public Schools
11. Seminar in Life Career Development System, North Dakota State School of Science

NORTH DAKOTA

12. A Proposal to Develop Instructional Materials for Industrial Arts Education Program in North Dakota Schools, University of North Dakota
13. Competency Based Curriculum Activities and Workshop for Distributive Education, University of North Dakota
14. Occupational Home Economics for Students with Special Needs, Magic City Campus - Minot
15. The Development of a Small Business Management Program for North Dakota Post-Secondary Schools, Lake Region Junior College
16. Tape/Slide Presentation Vocational Career Areas, North Dakota State School of Science

RESEARCH RELATED ACTIVITIES:

NONE REPORTED

PROJECTS AND ACTIVITIES PLANNED:

NONE REPORTED

OHIO

Byrl R. Shoemaker, State Director of Vocational Education
R. D. Balthaser, State RCU Director

PROJECTS COMPLETED:

1. Career Orientation Student Materials (7-8) in 9 of 15 Clusters, Educational Research Council of America, Cleveland
2. FY 75 Pre-Postsecondary Program Evaluation, Kent State University, Kent
3. All Ohio Vocational Youth Camp, Ohio FFA Camp, Muskingum
4. Independent Three Site Evaluation Ohio Career Development Programs, Ohio Department of Education, Columbus
5. Local Education Area Planning Third Year Program - Further Development in Use of LEAP by State/Local Agencies, The Ohio State University, Columbus
6. Career Development Staff Ohio Career Development for 32 School Districts, Ohio Department of Education
7. Food Service System Planning, Ashtabula County JYSD, Jefferson
8. All Ohio Vocational Youth Camp, Ohio FFA Camp, Muskingum
9. Pre-Postsecondary Instructor Training, Kent State University, Kent
10. Career Development Program, Akron City Schools
11. Career Development Program, Benton-Carroll-Salem Local Schools
12. Career Development Program, Beardman Local Schools
13. Career Development Program, Canton City Schools
14. Career Development Program, Carlisle Local Schools
15. Career Development Program, Cincinnati City Schools
16. Career Development Program, Clear Fork Valley Local Schools
17. Career Development Program, Cleveland City Schools

OHIO

18. Career Development Program, Cleveland Heights, University Heights City Schools
19. Career Development Program, Columbus City Schools
20. Career Development Program, Dayton City Schools
21. Career Development Program, Defiance City Schools
22. Career Development Program, East Muskingum Local Schools
23. Career Development Program, Geneva Area City Schools
24. Career Development Program, Kirtland Local Schools
25. Career Development Program, Lorain City Schools
26. Career Development Program, Mad River-Green Local Schools
27. Career Development Program, Mansfield City Schools
28. Career Development Program, Medina City Schools
29. Career Development Program, Minford Local Schools
30. Career Development Program, Orrville City Schools
31. Career Development Program, Paint Valley Local Schools
32. Career Development Program, Parma City Schools
33. Career Development Program, Princeton City Schools
34. Career Development Program, Scioto-Darby City Schools
35. Career Development Program, South-Western City Schools
36. Career Development Program, Springfield City Schools
37. Career Development Program, Stow City Schools
38. Career Development Program, Toledo City Schools
39. Career Development Program, Warren City Schools
40. Career Development Program, Willoughby-Eastlake City Schools
41. Career Development Program, Youngstown City Schools

NEW PROJECTS FUNDED:

1. Continuing Conducting the Feasibility of a Five-Year Follow-up Study Utilizing IRS Information, Institute for Research Studies, Athens
2. Occupational Analysis for Five Occupations, Ohio State University, Columbus
3. Higher Education Center Development for Career Education, Department of Education, Columbus
4. Ohio Cost Benefit Studies (498AH50209) Commissioner, Institute for Research Studies, Athens
5. Ohio Career Development for 32 School Districts Career Development Staff Continuation, Ohio Department of Education, Columbus
6. Continuing Commissioner "I" Transportation Curriculum Project (Phase II), Ohio Department of Education
7. Automation of Accounting System for Interface with Reporting System, Ohio Department of Education
8. Program Review for the Improvement, Development and Expansion of Vocational Education and Guidance (PRIDE) -- second year of re-cycle with 20 Vocational Education Planning Districts including continued Cost Analysis, Ohio Department of Education
9. Providing statistical and fiscal system for management activities of staff including: Labor market forecasting system, MBO forecasting system based on LEA reporting and feed back to LEA, Ohio Department of Education
10. Research Coordination Unit - continuation, Ohio Department of Education

RESEARCH RELATED ACTIVITIES:

NONE REPORTED

PROJECTS AND ACTIVITIES PLANNED:

Ohio plans to continue all the Career Development Projects listed under "New Projects Funded"

OKLAHOMA

FRANCIS T. TUTTLE, STATE DIRECTOR OF VOCATIONAL EDUCATION
William D. Frazier, State RCU Director

PROJECTS COMPLETED:

1. The Roles of Vocational & Technical Education, Oklahoma RCU
2. A Mobility Study, (a study of the mobility of vocational graduates), Oklahoma RCU
3. A Study of the Needs of Oklahoma Citizens for Information About Vocational-Technical Education, Oklahoma RCU
4. A Historical and Current Follow-up Study of Oklahoma Vocational Graduates - 1976, Oklahoma RCU
5. A Survey of Planning Resources Available to Local Administrators in Oklahoma, Oklahoma RCU
6. Approval, Evaluation, Accreditation, and Audit Procedures of Schools for Full-Time Adult Programs, Oklahoma RCU
7. Evaluation Follow-up, Oklahoma RCU
8. Summary Evaluation of Selected Secondary Vocational-Technical Education Programs in Oklahoma, Oklahoma RCU
9. The Relationship of Selected Teacher Characteristics to Program Success in Oklahoma, Oklahoma RCU
10. A Study of the Validity of Selected Vocational Curriculum Guides, Oklahoma RCU
11. A Study of Manpower Supply and Demand in Oklahoma in 1975, Oklahoma RCU
12. A Task Force Study of Public Information for Vocational Education, Oklahoma RCU
13. A Comparison of the Unemployment Rates of Vocational Education Graduates and the General Population of Young Workers in Oklahoma Since 1969, Oklahoma RCU
14. Intensive Follow-up of Auto Mechanics Graduates, Oklahoma RCU

OKLAHOMA

NEW PROJECTS FUNDED:

1. A Nine-Year Follow-up Study of High School Vocational and Non-Vocational Graduates in Oklahoma, Oklahoma RCU
2. Part-time Adult Follow-up, Oklahoma RCU
3. Summary Evaluation of Selected Secondary Vocational-Technical Education Programs in Oklahoma, Oklahoma RCU
4. A Comparison of the Unemployment Rates of Vocational Education Graduates and the General Population of Young Workers in Oklahoma Since 1969, Oklahoma RCU
5. A Task Force Study of Public Information for Vocational Education, Oklahoma RCU
6. Intensive Follow-up of Auto Mechanics Graduates, Oklahoma RCU
7. A Pilot Innovative Placement Program, Oklahoma RCU
8. The Effectiveness of the Oklahoma State Department of Vocational Technical Education Mobile Computer Graphics Laboratory as Perceived by Students and Faculty, Oklahoma RCU
9. A Survey of the Planning Resources Available to Local Administrators in Planning for Vocational Education Programs, Oklahoma RCU
10. Individual School District Profiles as Compiled from First Count Census Data, Oklahoma RCU
11. A Study of Manpower Supply and Demand in Oklahoma in 1976, Oklahoma RCU

RESEARCH RELATED ACTIVITIES:

1. Evaluated 249 secondary vocational education programs in 78 local school districts
2. Developed the State Vocational Education budget proposal for FY 1978
3. Operated an ERIC search and dissemination system for vocational educators across the State
4. Developed statistical tables and "new starts" rationale in the Oklahoma State Plan

OKLAHOMA

5. Continued training in local schools on Management By Objective.
Monitored the State Department MBO System

PROJECTS AND ACTIVITIES PLANNED:

1. Complete research on educationally disadvantaged funded from 131 (a) FY 75
2. Continue projects funded in FY 76 (listed above) that were not completed in FY 76
3. Re-evaluate approximately 76 secondary school vocational programs and evaluate all full-time adult programs at three area schools
4. Make a comparative analysis of evaluation data from secondary school programs
5. The Vocational Student: An analysis of Nine Years of Follow-up Data
6. An Analysis of Characteristics of Students not Accepted in Area Vocational-Technical Schools
7. Present and Future Vocational Teacher Needs in Oklahoma

OREGON

Monty E. Multanen, State Director of Vocational Education
Eugene Vinarski, State RCU Director

PROJECTS COMPLETED:

1. A State Manpower/Curriculum Management System, State Department of Education
2. Consortium for Planning, Developing, and Implementation Exploratory Industrial Career Development Models, Oregon State University
3. A Creative Career Education Language Arts Program for the Disadvantaged, Portland School District 1 (Area III)
4. Career Awareness In-Service for Educators, Jackson County Intermediate Education District
5. A Review of Vocational Research and Exemplary Projects, Oregon State University
6. Catalyst for Career Choice, Portland SD 1 (Madison High School)
7. Health Careers Exploration, Portland SD 1 (Roosevelt High School)
8. Career Awareness Resource Center, Beaverton SD
9. Teacher Assistant Training Program--Phase I, Clackamas CC
10. Career Information Services to Community Colleges in Oregon, University of Oregon
11. A Review of Vocational Research and Exemplary Projects, Oregon State University
12. Career/Vocational Guidance Program, Portland SD 1
13. Elementary - Career Awareness, Eugene SD 4J
14. An Integration of Career and Consumer Education and Reading and Language Arts Program Level Goals, Portland School District 1 (Area III)
15. Local Production of Relevant Awareness - Exploratory Media, Central SD

OREGON

16. To Further Develop and Disseminate Products of the Career Exploratory Program for Vale Middle School, Vale Elementary School
17. Interrelating Music and Career Education, Portland School District 1 (Area III)
18. The Oregon Vocational-Technical Math Project Utilizing Community Resources, Linn-Benton CC Multnomah County IED
19. Improving Instruction in Innovative Areas Through Improved Administrative Procedures, Lane CC

NEW PROJECTS FUNDED:

1. Models For the Use of a Data Base in Planning State and Local Vocational Programs, State Department of Education
2. A Review of Vocational Research and Exemplary Projects, Oregon State University
3. To Further Develop and Disseminate Products of the Career Exploratory Program for Vale Middle School (Supplement to Prior Exemplary Project entitled, "Refinement, Implementation and Dissemination of a Career Exploratory Program for Vale Middle School"), Vale Elementary School
4. Catalyst for Career Choice, Portland SD 1 (Madison High School)
5. Methodology for the Evaluation of Career Decision-Making Skills in Rural Schools, Malheur County Intermediate Education District
6. Technical Assistance with the Use of Student Outcomes in the Evaluation of Occupational Exploration Programs, Oregon State University
7. Career/Vocational Guidance Program, Portland SD 1
8. To Develop a Model Comprehensive Career Exploration Program, Oregon City SD
9. To Provide CIS Programs and Service to 13 Oregon Community Colleges, Career Information System (University of Oregon)
10. K-8 Career Awareness/Exploration Curriculum Materials, Marion County IED

OREGON

11. A Unified Approach to Career Guidance Program Development in Secondary Schools, Portland SD 1
12. Teacher Assistant Training Project--Phase II, Clackamas CC
13. High School-Community College Joint Career Placement Program, Linn-Benton CC

RESEARCH RELATED ACTIVITIES:

1. Two summary of findings reports have been prepared pertaining to our statewide student follow-up system. The system provides information on 1975 graduates and early leavers at the high school and community college levels. (See Appendix I and II.)
2. A pilot study on the vocational student nonrespondents involved in our high school follow-up system has been completed. (See Appendix III.)
3. A pilot study of a three year out follow-up on vocational graduates has been completed. (See Appendix IV.)
4. A Project to review and assess prior funded vocational research and exemplary projects has been completed. A document entitled, "Promising Practices in Oregon Career and Vocational Education" is available as our end product of the project through AIM/ARM
5. A Status report on the Models for the Use of a Data Base in Planning State and Local Vocational Programs project has been prepared focusing on the first 15 months of operation in this Part C Commissioners project. (See Appendix V.)
6. A summary report on the Oregon Career Education Document System has been prepared. (See Appendix VI.)

PROJECTS AND ACTIVITIES PLANNED:

1. A major review and revision of the sampling techniques utilized in our one year out statewide high school graduate and early leaver follow-up system is planned
2. A long range goal of our Program Development and Planning Unit is to implement a statewide five year out high school student follow-up system to begin in 1977-78

PENNSYLVANIA

John W. Struck, State Director of Vocational Education
Carroll A. Curtis, State RCU Director

PROJECTS COMPLETED:

1. CSIU Career Education Institute, Central Susquehanna I.U. #16
2. Pre- and Post-Vocational Evaluation Program, Grove City Area School District
3. A Study of Occupational Mobility in Pennsylvania - Phase II, The Pennsylvania State University
4. Agricultural Products, Solanco School District
5. Health Occupations Advanced Standing and Articulation Pattern (Development and Planning), Pittsburgh City Schools
6. Job Placement Center, Allegheny I.U. #3
7. Symposium on Policy Issues in Education for New and Emerging Careers, The Pennsylvania State University
8. A Career Approach to Natural Resource Management to Wildlife and Recreation, Conrad Weiser Area School District
9. Dissemination of Vocational Development Research, Lehigh University
10. Development of a Job-Opportunity Based Planning Model for High School Vocational Agriculture Programs, The Pennsylvania State University
11. Home Health Management Aide, Mifflinburg Area School District
12. Creating a Career, Hopewell Area School District
13. Follow-Up of Hearing Impaired Graduates, Bloomsburg State College
14. Prevocational Education Resource Center, Harrisburg City School District
15. Video-Tape Pilot Project for EMR and Regular Class Students on a Work-Experience Program, Hempfield School District

PENNSYLVANIA

16. Nursing and Auxiliary Nursing Articulation, Butler County Community College
17. Coordination of Secondary and Postsecondary Technical Curriculum, Greater Johnstown AVTS
18. Home Health Management Assistant, Schuylkill County AVTS
19. A Study of Career Selection, Midwestern I.U. #4
20. Evaluation of a Vocational Information Delivery System, Moon Area School District
21. The Third-Year Evaluation of Two Career Education Projects in Pennsylvania, Shippensburg State College
22. A Vocational Classroom Teacher's Hands-On Instrument to Measure Entry and Exit Skills of the Special Education Student for Specific Occupations, University of Pittsburgh
23. A Survey to Determine the Availability and Utilization of Television in the Business Education Programs in Public High Schools in Pennsylvania, Indiana University of Pennsylvania
24. An Investigation of Proprietary Vocational Education as an Alternative to Public Supported Vocational Training in Automotive Mechanics for Secondary Students, Central Chester AVTS
25. Comparison of Hearing Impaired to Hearing Graduates on the High School Graduate Follow-Up Career Survey, Northeastern Educational I.U. #19
26. Relationship Between Communication Skills of Young Deaf Adults and Success in Employment, Northeastern Educational I.U. #19
27. Vocational Education Possibilities in the Petroleum Industry, Bradford Area High School
28. Vocational Language Program for Secondary TMR Teachers, Appalachia I.U. #8
29. A Study Comparing Typewriting Achievement of Students Attending Class Three and Five Days a Week in Beginning Typewriting at the Community College Level, Lehigh County Community College
30. The Development of the Role of Industrial Arts in Vocational Education, Schuylkill I.U. #29

PENNSYLVANIA

31. An Analysis of Selected Personal and Situational Variables and Their Impact on Achievement as an Approach to Measuring the Effectiveness of an Innovation in Distributive Education, Temple University
32. Secondary Vocational-Technical Instructional Time Study, Williamsport Area Community College
33. Characteristics of Vocational Food Service Teachers and Their Relationship to Teacher Effectiveness, Lehigh County AVTS
34. Attitudes of Pennsylvania Vocational Educators Concerning Sex Role Changes and Resulting Program Implications, The Pennsylvania State University
35. Vocational Education/Special Education Curriculum Integration Workshop for EMR Instructors, Berks AVTS-West
36. School-Based Job Placement Service Model, Columbia-Montour AVTS
37. School-based Job Placement Service Model: Phase III, Implementation, Reading-Muhlenberg AVTS
38. Job Placement, Greater Johnstown AVTS
39. Implementation of the Cluster Concept into an AVTS Setting, School District of Philadelphia
40. Vocational Education Curriculum Center for Pennsylvania (VECC), Millersville State College
41. An In-Service, Preservice Vocational Development Strategy, Shippensburg State College

NEW PROJECTS FUNDED:

1. Food Service Curriculum Validation Project, The Pennsylvania State University
2. Eradicating Sexism in Vocational Education, Williamsport Area Community College
3. Instructional Development: Service and Operation of Heavy Construction Equipment Program, Williamsport Area Community College

PENNSYLVANIA

4. Home Health Management Aide (Continuation), Mifflinburg Area School District
5. Student Maturity Using a Vocational Information Delivery System (Continuation), Moon Area School District
6. Vocational Determination Process through School, Industry and Community Involvement, Central Columbia School District
7. 1974-76 Follow-Up of the Physically Handicapped in Pennsylvania, Venango County AVTS
8. AVTS Employer Follow-Up Study, Lehigh University
9. Evaluation of Funded Projects for Development of Vocational Instructional Materials, The Pennsylvania State University
10. Identifying Competencies Needed to Train Vocational Teachers to Teach Disadvantaged Students, The Pennsylvania State University
11. Determining the Feasibility and Acceptability of the Cluster Concept as a Modification of Existing Curriculum in a Comprehensive AVTS, Greater Johnstown AVTS
12. A Work Experience Video-Tape Satellite Project for EMR Students (Continuation), Hempfield School District
13. Mainstreaming Special Needs Students, Venango County AVTS
14. Bicycle Repair, Berks AVTS-West
15. Petroleum Production (Continuation), Bradford Area School District
16. Project Phoenix: Community-Based Action Learning, North Hills School District
17. Creating a Career (Continuation), Hopewell Area School District
18. CSIU Career Education Institute (Continuation), Central Susquehanna I.U. #16
19. Job Placement Center (Continuation), Allegheny I.U. #3
20. Agricultural Products (Continuation), Solanco School District

PENNSYLVANIA

21. Farm Management Analysis Education Institute, Lancaster County AVTS-Willow Street
22. Pre- and Post-Vocational Evaluation Program (Continuation), Grove City Area School District
23. Home Health Management Assistant (Continuation), Schuylkill County AVTS
24. Vocational Exploration: A Developmental Approach for Junior High School, Dallas School District
25. A Career Approach to Natural Resource Management to Wildlife and Recreation (Continuation), Conrad Weiser Area School District
26. Teacher Attitude Change, Erie County AVTS
27. Feasibility Study of Whether to Implement a Sawmilling and Wood Handling Program at WACC, Williamsport Area Community College
28. Schuylkill Occupational Career Education Program, Schuylkill I.U. #29
29. Curriculum Pilot in Agriculture Supplies, Waynesboro Area School District
30. Area Vocational-Technical School Auto/Power Mechanics Pre-Vocational Program, Berks AVTS
31. A Vocational Classroom Teacher's "Hands-On" Instrument to Measure Entry and Exit Skills of the Special Education Student for Specific Occupations (Continuation), University of Pittsburgh

RESEARCH RELATED ACTIVITIES:

1. Established Pennsylvania's priorities for research and development activities in vocational education
2. Maintained a management system for the processing and monitoring of research and development projects utilizing Part C and D funds
3. Staff members completed the following publications:
 - * Evaluation of a Statewide Occupational Information System PENNScript

PENNSYLVANIA

- * Employment Prospects in Pennsylvania for Selected Crafts and Operative Occupations
 - * A Guide for Research and Exemplary Activities (Third Edition)
 - * Population Projections for Pennsylvania and Counties 1970-2000
 - * Guidelines for Establishing Career Resource Centers (Revised)
 - * Evaluation of Three School-Based Job Placement Projects in Pennsylvania
 - * Research and Information on Employment and Training; Local State and Federal Communications, Results and Utilization
 - * Evaluation of 1975 Postsecondary Educational Programs in the Eight Pennsylvania State Correctional Institutions
 - * Evaluation of 1975-76 Vocational and Basic Education Programs in the Eight Pennsylvania State Correctional Institutions
 - * Evaluation of 1974-75 Educational Programs in the Eight Pennsylvania State Correctional Institutions
 - * The Development of 17 Career Resource Centers in Pennsylvania
4. Prepared a field evaluation instrument for assessing cooperative education programs
 5. Staff represented the RCU on the state's newly established vocational education curriculum advisory committee
 6. An RCU staff person acted as liaison between the state and federal government relative to the submission of proposals for utilizing the U.S. Commissioner's share of research and development monies
 7. Developed instruments to gather follow-up data on the state's hearing impaired vocational graduates
 8. Evaluated secondary and postsecondary vocational programs in Pennsylvania's correctional institutions
 9. Provided requested input to the State Plan for Vocational Education

PENNSYLVANIA

10. Cooperated in the development and conduct of an occupational mobility study for Pennsylvania
11. Staff provided technical assistance to accomplish the transfer of responsibility for the Vocational Education Management Information System from a private contractor to the Pennsylvania Department of Education
12. Developed a position paper on vocational education for junior high/middle school youngsters. The paper included potential problems, student outcomes desired, and the curricular and organizational structures necessary for fulfilling the needs
13. Staff assisted regional USOE personnel to assess the third year progress toward objectives in Pennsylvania's three discretionary Part D projects
14. Staff interacted with CETA representatives relative to their needs for manpower and fiscal information
15. Participated in the review of proposals for vocational teacher education monies
16. Presentations were made at numerous local, state and national meetings

PROJECTS AND ACTIVITIES PLANNED:

1. Coordinate the programming for the 1976 Occupational Research and Information Symposium sponsored by the State Board of Education
2. Continue operation of the research and exemplary project management system including priority identification, the reviewing and processing of proposals and the monitoring of funded activities
3. Coordinate the selection of a third-party evaluator for corrections education
4. Continue to provide requested input to the State Plan for Vocational Education
5. Continue involvement with the state's occupational education task force and the vocational curriculum advisory committee
6. Provide, upon request, manpower information including projection updates as they become available.

PENNSYLVANIA

7. Continue liaison role with USOE relative to discretionary Part C and D funds
8. Revise research and demonstration activities to concur with new vocational education legislation
9. Coordinate state and federal follow-up studies for handicapped students including cost-effectiveness data

RHODE ISLAND

Frank M. Santoro, State Director of Vocational Education
Frank M. Santoro, RCU Director

PROJECTS COMPLETED:

1. Career Education Consultant, Diocese of Providence
2. Training Day Care Workers, S.R.S.
3. Woonsocket Skill Center Study, Woonsocket
4. Career Education, Portsmouth
5. Career Awareness, Scituate
6. Co-op Career Education, Bradley Hospital
7. Career Awareness, East Greenwich
8. Career Orientation (Flynn), Providence
9. Career Orientation (Kennedy Elem.) Providence
10. Career Orientation Education (Stuart), Providence
11. Opening Doors To Awareness, Lincoln
12. Career Education, Lincoln
13. Apollo (West), Cranston
14. Career Education (DuTemple), Cranston
15. Career Education (Gladstone), Cranston
16. Career Concepts, Cumberland
17. Relev and Decision, Cumberland
18. Career Ed. Title 1 Vocational, Cranston
19. Industrial Career Ed. (West), Providence

NEW PROJECTS FUNDED:

No new projects funded

RHODE ISLAND

RESEARCH RELATED ACTIVITIES:

None Reported

PROJECTS AND ACTIVITIES PLANNED:

1. Major efforts will be concentrated in the area of Experience Based Career Education and the renewal of the majority of projects that were funded for 1976

SOUTH CAROLINA

L. L. Lewis, State Director of Vocational Education
Gregory Morrison, State RCU Director

PROJECTS COMPLETED:

1. Exploratory Programs in Vocational Education, S.C. Dept. of Education, Columbia
2. A Proposal for In-service Teachers for the Disadvantaged and Handicapped Youth, S.C. Dept. of Education, Columbia
3. Student Placement Program, S.C. Dept. of Education, Columbia
4. Bookkeeper-Bank Teller Individualized Modules of Instruction, University of South Carolina, Columbia
5. Career Education Pilot Project, Duncan
6. Career Cluster Articulation Model Based on Behavioral Objectives - Phase IV, State Dept. of Education, Columbia
7. Search of Available Instructional Materials in Selected T & I Subjects, Clemson University, Clemson

NEW PROJECTS FUNDED:

1. Adult Vocational Education Project, S. C. Dept. of Education
2. Career Cluster Implementation and Evaluation Project, State Dept. of Education, Columbia
3. Vocational Curriculum Improvement through the Individualization and Modularization of Office Occupations and Trade and Industrial Education Instructional Materials Project, Clemson University, Clemson
4. Student Placement Project, State Dept. of Education, Columbia

RESEARCH RELATED ACTIVITIES:

1. Upon completion of the materials development and evaluation design phase of the Career Cluster Curriculum Development Project, the materials and concept were implemented and evaluated. The evaluation involved 9 vocational (secondary) and 2 technical (post-secondary) education schools and focused on two subject areas, machine shop and heating, air conditioning, and refrigeration. Three surveys were conducted of students (327 total responses), teachers (31 total responses), and business/industry (108 total responses) for both subject areas. More than 495 students (total-both subjects) were given competency (written) tests and 338 students were given the performance (hands-on) tests (total-both subjects).

SOUTH DAKOTA

David Bonde, State Director of Vocational Education
David Bonde, State RCU Director

PROJECTS COMPLETED:

1. Farm Management Program, South Dakota State University
2. Research and Statistics, University of South Dakota
3. Exemplary project utilizing mobile classrooms, Northwest Multi District, Lemmon

NEW PROJECTS FUNDED:

1. Career Competency Program, Huron Public School District, Huron

RESEARCH RELATED ACTIVITIES:

NONE

PROJECTS AND ACTIVITIES PLANNED:

NONE REPORTED

TENNESSEE

John Leeman, State Director of Vocational Education
Dee Wilder, State RCU Director

PROJECTS COMPLETED:

1. Management Information System, RCU
2. Student Based Follow-Up, RCU
3. Regional Information System, RCU

NEW PROJECTS FUNDED:

Because of the transitional period for the Tennessee Research Coordinating Unit, no new projects were funded.

RESEARCH RELATED ACTIVITIES:

1. Technical assistance was provided to a variety of organizations. Among these were school administrators, teacher educators, instructional staff, and various others
2. Selected Conference Attendance and Speaking Engagements

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of Management Information System
2. Refinement and continuation of student-based follow-up
3. Selection and approval of research efforts to be funded during FY '77
4. Receipt and review of proposals to be considered for funding during FY '78
5. Plan and conduct workshops to acquaint potential proposal writers with procedures for applying for Part C and D state grants
6. Continued activities in information retrieval and dissemination including a newsletter and a user needs survey
7. Coordination of statewide curriculum activities with V-TECS project

TENNESSEE

8. Plan and conduct workshops with local directors and superintendents to examine MIS data for the purpose of recommending curriculum changes and making program improvements
9. Continuation of teacher-based follow-up
10. Play a vital part in implementing the Education Amendments of 1976 especially as they apply to vocational education in Tennessee. It is anticipated that a close relationship with the Division of Vocational-Technical Education can bring about effective means of meeting the mandates of amendments

TEXAS

Cadar Parr, State Director of Vocational Education
Ray Barber, State RCU Director

PROJECTS COMPLETED:

1. Compilation and Annotation of Information About Current Individualized Instruction in Vocational-Technical Education in Texas Community/Junior Colleges and Development of Missing Components, Austin Community College, Austin
2. The Development of Five Individualized Learning Modules for Preservice and Inservice Training for Occupational and Technical Administrators, Dallas County Community College District, Dallas
3. Development of a Data Base for Curriculum Development in Distribution and Marketing, EPD Consortium D, Richardson
4. Production and Implementation of Nursing Audio-Visual Instruction in Spanish, Laredo Junior College, Laredo
5. Intensive Training for Teacher Aides Working With Hearing Impaired Children, McLennan Community College, Waco
6. A Study to Determine the Need for Development of a Vocational Education Program in Solar Energy Technology, Navarro College, Corsicana
7. Development of Coordinator's Handbook for Post-Secondary Mid-Management Programs, North Texas State University, Denton
8. Job Placement Services Research Study, North Texas State University, Denton
9. Development and Examination of an Instructional Paradigm and Auto-Instructional Materials for Teaching Vocational and Pre-Vocational Curriculum-Based Concepts to Mildly Retarded, Borderline Intelligence, and Educationally Disadvantaged Students, Texas A&M University, College Station
10. Employment Opportunities and Training Needs in Agribusiness, Texas A&M University, College Station
11. Identification and Validation of Competencies for Teacher Education - Agriculture, Texas A&M University, College Station
12. The Impact of Numerical Control Technology and Computer Aided Manufacturing on Curriculum Development in Industrial Education and Technology, Texas A&M University, College Station

TEXAS

13. The Need for Bilingual Vocatioanl Education Programs in Secondary Schools in Texas, Texas A&M University, College Station
14. A Career Education Project for the Texas School for the Deaf, Texas School for the Deaf, Austin
15. The Identification of Texas Anglo, Black, and Chicano Child Rearing and Child Care Practices in Relation to Child Care Career Competencies, University of Houston, Houston
16. Women in Vocational Education (Project EVE), University of Houston, Houston
17. Vocational Education Programming for Special Education Students in Texas, University of Texas at Dallas, Dallas
18. Occupational Analysis of Day Care Workers and Supervisors in the State of Texas, University of Texas at San Antonio, San Antonio
19. Texas Occupational Orientation Workshop for Teacher Training, Region II Education Service Center, Corpus Christi
20. Coordinated Effort for Career Education (Awareness and Investigation), Grayson County College, Denison
21. Project RACE: Researched Activities for Career Education (Awareness and Employability Skill), Weatherford ISD, Weatherford

NEW PROJECTS FUNDED:

1. Development of a Data Base for Curriculum Development in Distribution and Marketing, EPD Consortium D, Richardson
2. A Study to Determine the Need for Development of a Vocational Education Program in Solar Energy Technology, Navarro College, Corsicana
3. Development of Coordinator's Handbook for Post-Secondary Mid-Management Programs, North Texas State University, Denton
4. Job Placement Services Research Study, North Texas State University, Denton
5. Development of a Pre-Vocational Training Program for the Deaf/Blind, Richmond State School, Richmond
6. Development and Examination of Instructional Materials on Counseling for Distributive Education Coordinators, Texas A&M University, College Station
7. Identification and Validation of Competencies for Teacher Education - Agriculture, Texas A&M University, College Station

TEXAS

8. The Impact of Numerical Control Technology and Computer Aided Manufacturing on Curriculum Development in Industrial Education and Technology, Texas A&M University, College Station
9. The Need for Bilingual Vocational Education Programs in Secondary Schools in Texas, Texas A&M University, College Station
10. A Career Education Project for the Texas School for the Deaf, Texas School for the Deaf, Austin
11. Career Interest Characterizing and Reporting System, Texas State Technical Institute, Waco
12. A Project to Rewrite and Restructure the Competitive Events for the Distributive Education Clubs of America, Texas Association, University of Houston, Houston
13. The Assessment and Dissemination of Competency Based Modules Produced by Coordinated Vocational-Academic Education Home Economics Teachers for an Inservice Training Workshop, University of Houston, Houston
14. Vocational Education Programming for Special Education Students in Texas, University of Texas at Dallas, Dallas
15. Development of a Career Education Delivery System Model for Correctional Institutions, Windham School District, Huntsville
16. Occupational Orientation Teacher Training, Region X Education Service Center, Richardson
17. Texas Occupational Orientation Workshop for Teacher Training, Region XX Education Service Center, San Antonio
18. An Exemplary Program for Eighth and Ninth Grade Students in the Cluster of Marketing and Distribution, Houston ISD, Houston

RESEARCH RELATED ACTIVITIES:

1. Thirty-five research proposals were received and evaluated during the fifteen month period. Fifteen projects were approved for funding. Two projects initiated prior to July 1, 1975, were continued. Eighteen projects were completed.
2. Members of the staff continued to participate in the coordination of exemplary projects funded under Part D, Public Law 90-576.
3. Members of the staff continued to participate in the development and implementation of a comprehensive manpower supply/demand data system for the State of Texas.

TEXAS

4. Members of the staff continued to participate in a special project to computerize the statistics and financial inputs required for the preparation of the Annual Report for Vocational Education.
5. The staff participated in a wide variety of activities related to research and development in occupational education and other components of career education.

PROJECTS AND ACTIVITIES PLANNED:

1. Eight previously-described research projects will be continued during the next reporting period. One new project has been approved for initiation beginning October 1, 1976. Approval of approximately twelve additional new projects is anticipated.
2. Emphasis will be placed on the development and initiation of projects that focus on (1) program/curriculum development, (2) student needs assessment, (3) occupational analysis, (4) guidance and counseling, (5) program/curriculum evaluation, (6) professional development, and (7) student placement and follow-up.
3. Special attention will be given to consideration of research projects that may be suggested by The Advisory Council for Technical-Vocational Education in Texas.
4. The staff will continue to participate in a wide variety of activities related to research and development in occupational education and other components of career education.
5. The RCU library facilities will continue to be improved. Continued progress will be made in the development of improved dissemination procedures.

Walter E. Ulrich, State Director of Vocational Education
Walter E. Ulrich, State RCU Director

PROJECTS COMPLETED:

- 1 Sugar Beet Industry Manpower Study, Utah State University
2. Career Education in the Junior High Schools Five-Year Summary of the Career Development (Dropout Prevention) Program, SEA
3. Analysis of Typing Skills Criterion Test Career Education in the Junior High Schools, SEA
4. Career Development (Dropout Prevention) Programs, SEA
5. Evaluation - Utah Technical College at Salt Lake, SEA
6. Evaluation - Utah Technical College at Provo

NEW PROJECTS FUNDED:

1. Follow-up to technology completors, Weber State College
2. An Assessment of Cooperative Education in Utah, State Department of Education
3. Health Manpower Needs Assessment Research, State Department of Education
4. Job Survey in Real Estate and Insurance Sales for Distributive Education, State Department of Education
5. Manpower and Training Needs in Agriculture and Natural Resources, State Department of Education
6. Are Area Vocational Centers Increasing Quality of Vocational Education to Districts Served, State Department of Education
7. Study of Vocational Teacher Content Preparation, State Department of Education
8. To What Extent Has the Vocational Set-aside Funds Affected Quality and Number of Vocational Programs and Should Funding Continue, State Department of Education

UTAH

9. Success Factors in Vocational Education programs, State Department of Education
10. Study of Staff Utilization in Division of Vocational and Technical Education, State Department of Education
11. Teachers' in-service training, State Department of Education
12. Employer Survey, State Department of Education
13. Determine which Vocational programs in Utah are economically efficient based upon project IMPROVE formulas, State Department of Education
14. Outcomes of student training in Area Vocational Center, State Department of Education
15. Distributive Education Exploration (Curriculum), Bridgerland
16. Career Education - Exemplary, Granite District
17. Business & Office Career Development, Utah State University

RESEARCH RELATED ACTIVITIES:

1. Member of Career Education Task Force.
2. Director of Career Education Dropout Prevention Program for State Education Agency.
3. March - (Orlando, Florida) - RCU Directors Conference.

PROJECTS AND ACTIVITIES PLANNED:

1. Evaluation of the new industrial arts program.
2. Business and office class instruction through TV.
3. Determine the extent of needs for teachers' in-service training in trade and industrial education.
4. Are the academic and general subjects of reading, writing, mathematics, industrial arts, homemaking and science recognized as pre-vocational with continuing effort being exerted to make these subjects serve this purpose more effectively?
5. Monitor and evaluate the project "JOIN" to insure and to validate that the system accomplished its objectives.

VERMONT

Arthur W. Ericson, State Director of Vocational Education
Barbara M. Gutheil, State RCU Director

PROJECTS COMPLETED:

1. Course Development for Wage Earning Home Economics, Hartford School District
2. Vocational Program Options Study for College Bound Students, Hartford School District
3. Vocational Equipment Amortization Procedure for the Vermont Vocational Technical Centers, Burlington School District
4. Remedial & Developmental Reading for Vocational Students, Grades 9-12, Johnson
5. Preliminary Research into Programs for Teaching Mathematics to Disadvantaged Vocational Students, Essex Junction
6. Distributive Education Curriculum Development, Burlington School District
7. Evaluation of Testing Materials for use in Career Guidance and Education, Burlington School District
8. Reproduction of Materials Developed by Instructional System Development Model for Vermont Area Vocational Centers, NERCO, Cambridge, Massachusetts

NEW PROJECTS FUNDED:

1. Identification of Critical Areas in Vocational Education Needing Research, UVM, Burlington
2. Identification of In-Service Professional & Technical Teacher Development Needs in Vermont, UVM, Burlington
3. Survey of Area Business Education Employers and Former Business Education Graduates, Brattleboro
4. Distributive Education Curriculum Development (Continuation), Burlington

RESEARCH RELATED ACTIVITIES:

1. Vocational Equipment Amortization Procedure for the Vermont Vocational Technical Centers. This report may be beneficial

to other states. Request further information from Luther Tabor, Vocational Director, Burlington Vocational Technical Center, Burlington, Vermont 05401

2. Remedial and Developmental Reading for Vocational Students Grades 9-12. A Copy of the final report forwarded to state Right-to-Read consultant. May have basis for improvement of reading for other students.
3. Visits were made to all project directors--this was limited due to change in assignments. Needs assessment was made and priority projects approved for FY-77

PROJECTS AND ACTIVITIES PLANNED:

The Vocational Research Programs Advisory Committee has established the following priorities for the use of Part C funds for next year:

1. Identify and communicate student's capabilities to employers.
2. Develop a method of providing students with a total education, alleviating student decisions between academic and vocational courses or programs.
3. Research means of identifying influential students and methods of using them to influence their peers in vocational education.
4. Identify skills, attitudes, etc., necessary for career flexibility and identify means for including them in the curriculum.

VIRGINIA

Melvin Carner, State Director of Vocational Education
L. M. Jewell, Jr., RCU Director

PROJECTS COMPLETED:

1. Development and Improvement of Career Education in Virginia, Va. Department of Education, Richmond
2. A Compilation, Preparation and Distribution of Instructional Materials that Emphasize Positive Work Ethics, VPI and SU, Blacksburg
3. Needs Assessment and Resource Utilization for Vocational Education for the Middle Peninsula Planning District, King and Queen School Board
4. Vocational Education Management Information System for Virginia. VPI and SU, Blacksburg
5. Procedure for and Method of Conducting On-Site Evaluation, VPI and SU, Blacksburg
6. Guidelines and Resources for the Development, Implementation, Operation, and Evaluation of Local Advisory Committees, VCU, Richmond
7. Establishment and Operation of a Student Job Placement Services, Carroll County Public Schools, Hillsville
8. Establishment and Operation of a Student Job Placement Service, W. T. Woodson High School, Fairfax
9. Establishment and Operation of a Student Job Placement Service, Maury High School, Norfolk
10. Establishment and Operation of a Student Job Placement Service, George Wythe High School, Richmond
11. Establishment and Operation of a Student Job Placement Service, William Fleming High School, Roanoke
12. Establishment and Operation of a Student Job Placement Service, Waynesboro High School, Waynesboro

VIRGINIA

NEW PROJECTS FUNDED:

1. Vocational-Technical Education Consortium of States in Va, VPI and SU, Blacksburg
2. Establishment and Operation of a Student Job Placement Center, Washington, Lee High School, Arlington
3. Further Development of the Management Information System for Virginia, VPI and SU, Blacksburg
4. Establishment and Operation of a Student Job Placement Service E. C. Glass High School, Lynchburg
5. Proposal for an Individualized System Approach to Teaching Automotive Engine Repair, Appomattox High School, Appomattox
6. Follow-Up of 1975-76 High School Graduates of the Arlington Public Schools, Arlington, Co. Schools, Arlington
7. Recruiting, Selecting, and Matriculating Students in Vocational Programs, Henry County Public Schools, Henry
8. Current and Projected Community Employment Opportunities and Ranked Characteristic Skills Sought in Prospective Employees, Isle of Wright County Schools, Isle of Wight
9. A Project to Provide Student Orientation and Public Information on the Vocational Education Program in Prince Edward County, Prince Edward High School, Farmville
10. Assessment of the Effect of a Vocational Awareness Media Program on Russell Co. 6th, 7th & 8th Grade Students, Russell County Schools, Lebanon
11. Vocational Information Service - Operation VIS, Scott County Schools, Gate City
12. Tazewell Co. Vocational Education Follow-Up on Film, Tazewell County Schools, Tazewell
13. Development of Standard Models ~~for~~ Performing Training (Job) Site Analysis and Conducting Directly Related Instruction in ICT Programs, York County High School, Yorktown
14. Development of Vocational Modules and an Evaluative Instrument at Readability Levels Which are Comprehensible by All Student in the High School Vocational Program, Bristol City Schools, Bristol

VIRGINIA

15. A Follow-Up of Former Vocational Students from the Roanoke City Schools, Roanoke City Schools, Roanoke
16. Printing of V-TECS Catalogues
17. Implementing Instructional Programs in Vocational Education Based on Performance Objectives and Criterion-Referenced Measures, Greensville County Schools, Emporia
18. Implementing Instructional Programs in Vocational Education Based on Performance Objectives and Criterion-Referenced Measures, Hampton City Schools, Hampton
19. Implementation and Usage of Work Ethics Curriculum Materials and Instruction, Rockingham Co. Schools, Harrisonburg
20. Implementation and Usage of Work Ethics Curriculum Materials and Instruction, Richmond City Schools, Richmond
21. The Implementation and Evaluation of a Locally Developed and Funded Career Orientation Program for the Middle Schools of Danville, Danville City Schools Danville
22. Evaluating the Vocational Education Program of Prince William County School Division by Use of a Visitation Team, Prince William Schools, Manassas
23. Alternatives to Contemporary Exploratory Programs, VPI and SU, Blacksburg
24. Review and Synthesis of Virginia Model School Programs for Potential Early School Leavers, VCS, Richmond

RESEARCH RELATED ACTIVITIES:

1. Continued the research project in Career Education at Petersburg and Radford with State funding
2. Conducted a follow-up of secondary and adult student completions for 1974-75
3. Published an analysis of the follow-up study of 1974-75 secondary student completions
4. Continued participation in V-TECS
5. Continued fielding curriculum guide on "Careers and You" as an orientation

VIRGINIA

6. Collected enrollment and completion data on secondary and adult students
7. Conducted follow-up study of secondary and adult completions
8. Conducted survey of local division superintendents and local directors of vocational education to determine their needs for student data
9. Conducted seven in-service training meetings for local school personnel on VERS reporting
10. Served on Board of Directors of V-TECS
11. Made presentation on vocational reporting to the following groups:
 - a. Vocational Agriculture teachers conference
 - b. Vocational Principals Conference
 - c. New principals conference
 - d. Southside agricultural
 - e. Home economics teachers conference

PROJECTS AND ACTIVITIES PLANNED:

1. Conduct a pilot program on the evaluation of a local program of vocational education
2. To provide in-service training on the use of V-TECS materials to all vocational education teacher educators and the state and local supervisory staffs
3. Serve as a member of a state task force to develop a manpower supply and demand information system
4. Supervise research and exemplary projects
5. Continue developmental activities in placement, career education, and follow-up
6. Develop guidelines for project proposals
7. Prepare enrollment, completion and follow-up reports

Homer Halvorson, State Director of Vocational Education
Gene W. Bigger, State RCU Director

PROJECTS COMPLETED:

1. In-service Training for Vocational Faculty, Whatcom Community College, Bellingham
2. Wildlife Conservation and Recreation Curriculum Guide, Selkirk High School, Ione
3. Selection Indicators for Applicants in Apprentice Trades; N.W. Plumbing & Pipefitting Independent Journeyman & Apprenticeship Trust, Seattle
4. To Determine the Need for Training of Mid-Management Personnel in Whatcom County, Bellingham
5. Project REPRO, Edmonds Community College, Lynnwood
6. Cadre Training: Career Guidance, CWS, Ellensburg
7. Development of Curriculum and Articulation Model Between Vocational Technical Institutions, Community Colleges and School Districts, Bellevue
8. Research and Development of Metallurgy and Power Supply Instructional Offerings for Community College Welding Students, Bellevue
9. Employment Opportunities Graduate Theatre/Technical Management Community College Level, Bellevue
10. Survey of Three Selected Occupational Areas Relevancy Forest Technical Programs to Jobs, Forest Technician, Everett
11. Perform, Everett
12. Occupational Education Student Attrition Study, Midway
13. Evaluation Computerized Guidance Systems, Seattle
14. Grant Writing Workshop, Kelso
15. Assessing Student Attitudes Toward Travel, Kennewick
16. Video Articulation and Guidance, Kennewick

WASHINGTON

17. Vocational Needs Assessment, Kelso
18. Development of Instrument for Prescribing Compensatory Education for Vocational-Technical Trainees, Renton
19. Preparatory Homemaking Skills for Secondary Disadvantaged Handicapped Students, Shelton
20. Child Care Training Correspondence/Extension Program, Everett
21. Custodial In-Service Training, Edmonds
22. Cooperation for Careers, Centralia
23. Exploring Vocational Education in Vocational-Technical Institutes, Lakewood
24. Management Experience Project, Grand Coulee Dam
25. Marine Resources as an Instructional Unit in Vocational Agriculture & Renewable Resources, Westport
26. Project PRIDE, Palouse
27. Industrial Plastics Tape Slide Instructional Series, Puyallup
28. Cross Discipline Inservice Programs, Shelton
29. Self Study Model, Distributive Education, Olympia
30. Basic Math Skills Lab Program for Adults, Tacoma
31. Recreation Area Management and Program Development, Wenatchee
32. Health Technician Aide Program, Oak Harbor
33. Increasing Business Education Opportunities, Zillah

NEW PROJECTS FUNDED:

1. Relevancy of Forest Technology Programs to Jobs Forest, Everett Community College, Everett
2. Technicians Perform, Everett
3. Columbia Basin Jobs Project, Moses Lake

4. Cooperative Guide, Pullman
5. Exploring Vocational Education in a Vocational-Technical Institute, Lakewood Center
6. Health Technician Aide Program, Oak Harbor
7. Custodial In-Service Training, Lynnwood
8. Development of a Plan for Providing of Career Information for Handicapped Students, Tacoma
9. Industrial Arts Vocationally Approved Research Model, Office of Superintendent of Public Instruction, Olympia
10. Analysis of Data on Vocational Education in the State of Washington with Recommendations for Modifications in Procedures and/or Definitions, Seattle
11. Relationship of Extended Contract to Vocational Agriculture and FFA Summer Program, Pullman
12. Career Exploration and Career Awareness Model-An Upper Grade to Lower Grade Approach, Spangle
13. Pre-Electronics Study Unit, Peninsula College, Port Angeles
14. Articulation III, Bellevue
15. Cooperation for Careers, Centralia
16. Evaluation of Computerized Guidance System, Seattle
17. Meeting Individual Needs of Disadvantaged Students (MINDS), Peninsula SD
18. Development of a Curriculum Articulation Model between Vocational-Technical Institutes, Community Colleges, and School Districts, Gig Harbor and Bellevue
19. Grant Writing Workshop, Kelso
20. Mobile Automatic Transmission Training Project (MATT), Vancouver
21. Operation Restore, Yakima
22. Survey of 3 Selected Occupational Areas, Everett

23. Non Computerized Delivery Systems for the CCIS, Seattle
24. Dental Auxiliary: Instructional Development Project, Lynnwood
25. A Study of the Vocational Agriculture Influence on 1964 Vocational Graduates of Selected Washington High Schools in Occupational and Educational Selection, WSU, Pullman
26. Systemization of Vocational Preparatory Programs in Washington Community Colleges, SBCCE, Olympia
27. Assessing Student Attitudes Towards Travel, Mossyrock
28. Identification of Competencies and Employment Opportunities in the Nursery and Greenhouse Industry, WSU, Pullman
29. Seaward Bound, LaConner
30. Nurses Talk to Nurses, Mt. Vernon
31. Productive Job Search, Spokane
32. Project Interaction: A Community Resource Program for Students in Sequim School District, Sequim
33. Communications Flow & Transfer of Vocational-Technical Information, Bellevue
34. Employer Perspectives of WA State Cooperative Distributive Education Programs, Cheney
35. Meaningful Industrial Training & Employment, Marysville
36. Individual Progress Curriculum to Decrease the Dropout Percentage in Beginning & Intermediate Shorthand at Community College, Seattle
37. Development of Course Outlines, Lacey
38. Attitudes of Secondary School Principals and Superintendents in State of Washington toward Vocational Education, Renton
39. Vocational Placement of Undeclared Students, Olympia
40. Leadership Identification for Vocational Youth Organizations, Yakima
41. Impact Evaluation of Two Interactive Computer Occupational Guidance Information Systems, Olympia

WASHINGTON

42. Self Instructional Modules in Dental Assistance, Edmonds
43. Representing Local Employment Opportunities and Related Training Programs through Filmstrips, Seattle
44. Introductory Self Instructional Unit in Medical Terminology, Kirkland
45. Pre-Electronics Study Units, Port Angeles
46. Meeting Individual Needs of Disadvantaged Students, Gig Harbor
47. Competency Level Identifications for Voc. Programs, Gig Harbor
48. Improving Vocational Opportunities by Relating the Community to the Classroom through use of the Video Tape, Zillah

RESEARCH RELATED ACTIVITIES:

1. Established and began publication of a monthly newsletter, the RCU Digest. This newsletter contains information about research, development, and EPDA activities, averages four pages in length, and is sent to approximately 5,200 vocational educators in the State of Washington and all RCU Directors.
2. Participation in meetings of groups and agencies as host, member, or consultant:
 - (a) Common school districts, (B) Community colleges, (C) Four-year institutions, (d) National RCU Conference, (e) Washington Vocational Association, (f) Washington Council of Local Administrators, (g) Washington Educational Research Association, (h) National RCU Planning Conference

PROJECTS AND ACTIVITIES PLANNED:

1. Implement an evaluation strategy.
2. Develop a series of workshops to promote training and research, dissemination of research results, a futuristic look at vocational education, and familiarization with the EBCE system.
3. Increase consultant activities with vocational educators in the State of Washington.

WEST VIRGINIA

Clarence E. Burdette, State Director of Vocational Education
Roy W. Thomas, RCU Director

PROJECTS COMPLETED:

1. Factors Affecting Student Enrollment and Scheduling in Vocational Programs, Associated Educational Consultants, Inc., Pittsburgh, PA
2. Development of Vocational Education Policy and Procedures Manuals, Associated Educational Consultants, Inc., Pittsburgh, PA
3. Child Care Curriculum Project (Field test and revision), West Virginia University, Morgantown

NEW PROJECTS FUNDED:

1. Vocational Reading Program, Wetzel County Schools, New Martinsville
2. Determining the Effect of Public Information Activities on Vocational Enrollment in West Virginia, West Virginia University, Morgantown
3. Vocational Needs Assessment, Braxton County Schools, Sutton

RESEARCH RELATED ACTIVITIES:

1. Achieved full operational status for the State Vocational Education Curriculum Laboratory. It is actively developing and disseminating curriculum materials. The management of the Lab was transferred from the RCU to State Bureau as of August 31, 1976
2. Established procedures of adding a student follow-up component to the Management Information System
3. Established procedures for financial accounting by programs
4. Began developing cognitive instruments for evaluating pre-vocational exploration programs

PROJECTS AND ACTIVITIES PLANNED:

1. Evaluate "trades" programs with Ohio Testing Program

WEST VIRGINIA

2. Evaluate pre-vocational exploration programs and establish reliability and validity data on developed instruments
3. Continue improvement of research dissemination efforts

WISCONSIN

Eugene Lehrmann, State Director of Vocational Education
Roland J. Krogstad, RCU Director

PROJECTS COMPLETED:

1. Determining Adult Agri-Business Needs, VTAE 1, Eau Claire
2. Determining Adult Agri-Business Needs, VTAE 2, La Crosse
3. Performance Levels for Job Entry, VTAE 3, Fennimore
4. Mini Grants for Curriculum Development, VTAE 11, Cleveland
5. Student Attrition in VTAE System, VTAE 15, Wausau
6. Open Entry/Open Exit Study, VTAE 15, Wausau
7. Adult Counseling Guidelines, UW-Madison
8. Evaluation Model for Field Services, UW-Stout
9. Career Education Project, MATC, Milwaukee
10. Prevocational Survival English for Indo-Chinese, WBVTAE, Madison

NEW PROJECTS FUNDED:

1. Manpower Survey, VTAE 12, Appleton
2. Energy Conservation Program, VTAE 6, Kenosha
3. Labor Market Requirements, VTAE 6, Kenosha
4. Cost Benefit Model, VTAE, Fond du Lac
5. Assessing Student Entry-Level Competencies, VTAE 11, Cleveland
6. Agricultural Education Needs, VTAE 14, Wis. Rapids
7. Barriers to VTAE Programs, VTAE 14, Wis. Rapids
8. Graduate Student Research Grants, UW-Stout
9. Graduate Student Research Grants, UW-Madison
10. Career Awareness Thru Peer Interaction, VTAE 2, La Crosse

WISCONSIN

11. Faculty Advisement Model, VTAE 6, Kenosha
12. Career Education in Rural Areas, VTAE 15, Wausau
13. Services to Native Americans, VTAE 16, Rhinelander
14. Implementation of WOIS, WBVTAE, Madison

RESEARCH RELATED ACTIVITIES:

1. Continuation of Computer Search of ERIC Services Provided to Local Districts

PROJECTS AND ACTIVITIES PLANNED:

1. A Study to Determine Research Priorities

WYOMING

Richard W. Rowles, State Director of Vocational Education
Richard Rowles, State RCU Director

PROJECTS COMPLETED:

1. Vocational Education student follow-up study, University of Wyoming, Laramie, Wyoming
2. Community Food Service Needs Survey, University of Wyoming, Laramie, Wyoming

NEW PROJECTS FUNDED:

NONE

RESEARCH RELATED ACTIVITIES:

NONE

PROJECTS AND ACTIVITIES PLANNED:

NONE REPORTED

AMERICAN SAMOA

Russell P. Journigan, Director of Vocational Education
Pat Benioni, RCU Director

NO REPORT RECEIVED

GUAM

Peter Nelson, Director of Vocational Education
Peter Nelson, RCU Director

NO REPORT RECEIVED

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PUERTO RICO

Jose Lema Moya, Director of Vocational Education
Israel Pacheco, RCU Director

NO REPORT RECEIVED

TRUST TERRITORY

Loren Peterson, Acting Director of Vocational Education
Loren Peterson, RCU Director

NO REPORT RECEIVED

VIRGIN ISLANDS

Wilburn Smith, Jr., Director of Vocational Education
Albert Ragster, Sr., RCU Director

NO REPORT RECEIVED